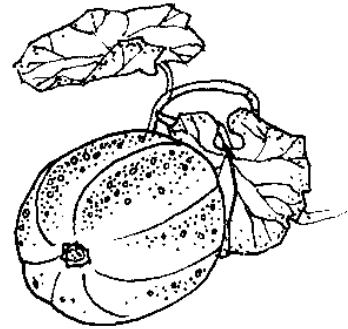
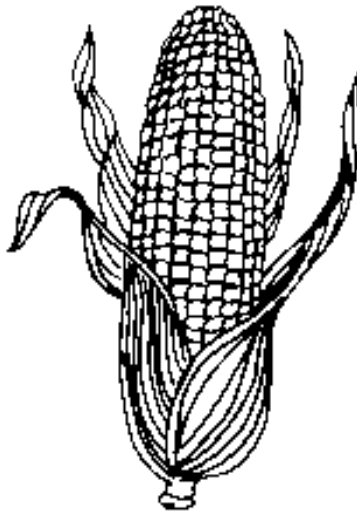
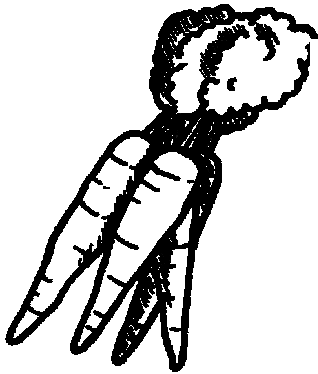


Weed Management In Horticultural Crops

RESEARCH RESULTS 2003



Douglas J. Doohan
Joel Felix
Tim Koch



Department of Horticulture and Crop Science
The Ohio State University
Ohio Agricultural Research and Development Center
Ohio State Extension

This report contains the results of field plot research on vegetable weed management in Ohio for the summer 2003. This report and other resources are available on the Internet at: www.oardc.ohio-state.edu/weedworkshop

This bulletin does not constitute endorsement or specific recommendations. Apology is expressed for any inadvertent errors found in this report.

Final copies of commercial advertisement that will contain data from these results are subject to the author's approval before publication.

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01/27/2004-H-189(120)

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ACKNOWLEDGEMENTS

Special acknowledgement and thanks are due to the following individuals who made this work a success:

Experiment Stations

Richard L. Callendar and Farm Crew - Muck Crops Branch, Willard
Matt Hofelich and Farm Crew - Vegetable Crops Branch, Fremont
John Y. Elliot - Dept. Farm Manager and Staff, OARDC/OSU
Lynn F. Ault - Farm Manager, OARDC/OSU
Paul McMillen, Brian Sugerman, and Cathy Herms – OARDC/OSU

Research Assistant

Timothy A. Koch

Graduate Research Student

Rodrigo Figueroa
Karen Amisi

Summer Student Assistants

Josh Reinford
Noah Myers

Special acknowledgements and thanks are due to the following for their support of the Vegetable Weed Research Program, Department of Horticulture and Crop Science, OARDC/The Ohio State University.

Aventis CropScience

BASF Ag Products

Bayer Crop Protection

Dow AgroSciences

E.I. duPont de Nemours & Co., Inc.

FMC Corporation

Gowan Company

Griffin LLC

Helena Chemical Company

Monsanto Company

Ohio Fruit & Vegetable Growers Assoc.

Ohio Fruit Growers Assoc.

Rispens Seeds, Inc.

Syngenta Crop Protection, Inc.

Syngenta Seeds, Inc.

United Agri-Products Co.

A PARTIAL LIST OF CROP BAYER CODES USED IN THIS REPORT:

BRSOL = Cabbage
CILAN = Cilantro
COLLD = Collard
CPSAN = Pepper
CUMSA = Cucumber
LYPES = Tomato
MABSD = Apple
MUSGN = Mustard Green
PHSVN = Snap bean
SOLTU = Potato
TURGN = Turnip Green
ZEAMS = Sweet corn

A PARTIAL LIST OF RATING CODES USED IN THIS REPORT:

BUGGY WHIP = Buggy whipping
CHLOROSIS = Yellow color, bleaching
CM. = Centimeter
COLLR = Collar; refers to corn stage of growth
CONTROL = Weed efficacy
EPOST = Early post stage of corn growth
INJURY = Composite assessment of stunting, chlorosis, and other visible effects
KG./PLOT = Kilograms per plot
LPOST = Late post stage of corn growth
LBS/PLOT = Pounds per plot
MKTB. = Marketable
MKTB.NO. = Marketable number
MKTB.YLD. = Marketable yield
PRETP = Pretransplant
POSTP = Posttransplant
PPI = Pre-plant incorporated
STAND CT. = Stand count
STUNT = Reduction in height or growth
TONS/A. = Tons per acre
TONS/HA. = Tons per hectare
TOTAL MKTB. = Total marketable
TOTAL YLD. = Total yield
TWIST = Leaf and/or stem curl

A LIST OF WEEDS WITH BAYER CODES USED IN THIS REPORT:

BAYER CODE	COMMON NAME	BOTANICAL NAME
ABUTH	velvetleaf	<i>Abutilon theophrasti</i> Medicus
AGRASS*	foxtail, crabgrass spp.	<i>Setaria, Digitaria</i> spp.
AGGRE	quackgrass	<i>Elytrigia repens</i> (L.) Nevski
AMABL	prostrate pigweed	<i>Amaranthus blitoides</i> S. Wats.
AMARE	redroot pigweed	<i>Amaranthus retroflexus</i>
AMAXX*	pigweed spp.	<i>Amaranthus</i> spp.
AMBEL	common ragweed	<i>Ambrosia artemisiifolia</i> L.
AMBTR	giant ragweed	<i>Ambrosia trifida</i> L.
CAPBP	sheperd's-purse	<i>Capsella bursa-pastoris</i> (L.) Medicus
CHEAL	common lambsquarters	<i>Chenopodium album</i> L.
CIRAR	Canada thistle	<i>Cirsium arvense</i> (L.) Scop.
CYPES	yellow nutsedge	<i>Cyperus esculentes</i> L.
DIGSA	large crabgrass	<i>Digitaria sanguinalis</i> (L.) Scop.
MUHSC	nimblewill	<i>Muhlenbergia schreberi</i> J.F. Gmel
OXAST	yellow woodsorrel	<i>Oxalis stricta</i> L.
PANDI	fall panicum	<i>Panicum dichotomiflorum</i> Michx.
POLPY	Pennsylvania smartweed	<i>Polygonum pensylvanicum</i> L.
POROL	common purslane	<i>Portulaca oleracea</i> L.
SETFA	giant foxtail	<i>Setaria faberi</i> Herrm.
SOLPT	Eastern black nightshade	<i>Solanum ptycanthum</i> Dun.
TAROF	dandelion	<i>Taraxacum officinale</i> Weber in Wiggers
THLAR	field pennycress	<i>Thlaspi arvense</i> L.
TRFRE	white clover	<i>Trifolium repens</i> L.

* not official Bayer Code.

CHEMICAL LIST

TRADE NAME	COMMON NAME	FORMULATION	MANUFACTURER
AATREX	atrazine	4 L	SYNGENTA
CALLISTO	mesotrione	4.0 SC	SYNGENTA
CLARITY	dicamba	4.8 L	BASF
COMMAND	clomazone	ME	FMC
DISTINCT	55% dicamba + 21.4% diflufenzopyr	76. DF	BASF
DUAL II MAGNUM	s-metolachlor + safener	7. EC	SYNGENTA
GOAL 2XL	oxyfluoren	SL	DowAgroSciences LLC
LOROX	linuron	50 DF	GRIFFEN LLC
LUMAX	s-metolachlor+ atrazine+mesotrione	3.94 SE	SYNGENTA
MATRIX	rimsulfuron	25 DF	E.I.Du Pont de Nemours and Company
NORTRON	ethofumesate	4 SC	BayerCropScience
OPTION	foramsulfuron	35 WDG	BayerCropScience
OUTLOOK	dimethenamid	6 L	BASF
PEAK	prosulfuron	57 DF	SYNGENTA
PERMIT	halosulfuron	75 DF	MONSANTO
PRINCEP	simazine	4 L	SYNGENTA
PROWL	pendimethalin	3.3 EC	BASF
SANDEA	halosulfuron	75 DF	GOWAN Co.
SENCOR	metribuzin	75 DF	BayerCropScience
SINBAR	terbacil	80 WP	E.I.Du Pont de Nemours and Company
SOLICAM	norflurozon	80WF	SYNGENTA
SPARTAN	sulfentrazone	75 DF	FMC

ADJUVANT LIST

TRADE NAME	ABBREVIATION	DESCRIPTION
Ammonium Sulfate	AMS	Spray grade fertilizer
Crop Oil Concentrate	COC	Paraffin base petroleum oil
28 percent nitrogen	UAN	Urea ammonia nitrate soln.
Induce	NIS	Non-ionic surfactant
	MSO	Methylated seed oil

**Daily Weather Summary for 4/1/2002 to 8/31/2002 at OARDC - Vegetable Crops Research Branch, Fremont, OH.
Sandusky County, Latitude: 41° 21' N; Longitude: 83° 07' W; Elevation: 636 ft.**

APRIL				MAY				JUNE				JULY				AUGUST			
Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F	Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F	Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F	Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F	Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F
4/1/02	0	32	55	5/1/02	.02	37	60	6/1/02	0	52	89	7/1/02	0	70	93	8/1/02	0	67	92
4/2/02	.04	34	49	5/2/02	.95	41	67	6/2/02	0	52	89	7/2/02	0	71	95	8/2/02	0	71	94
4/3/02	.26	33	59	5/3/02	0	37	54	6/3/02	0	55	77	7/3/02	0	71	95	8/3/02	0	65	89
4/4/02	0	25	45	5/4/02	0	32	57	6/4/02	1.48	52	69	7/4/02	0	71	97	8/4/02	0	64	86
4/5/02	0	28	41	5/5/02	0	33	62	6/5/02	.14	64	88	7/5/02	.1	67	96	8/5/02	0	71	93
4/6/02	0	25	39	5/6/02	0	46	76	6/6/02	.22	55	81	7/6/02	0	53	77	8/6/02	.11	61	82
4/7/02	0	25	43	5/7/02	.2	57	66	6/7/02	0	45	62	7/7/02	0	53	80	8/7/02	0	52	73
4/8/02	.1	29	54	5/8/02	.13	43	69	6/8/02	0	50	72	7/8/02	0	56	84	8/8/02	0	48	74
4/9/02	.95	54	61	5/9/02	.32	44	68	6/9/02	0	56	84	7/9/02	0	63	93	8/9/02	0	47	76
4/10/02	.05	31	58	5/10/02	.02	42	73	6/10/02	0	60	85	7/10/02	.55	66	85	8/10/02	0	49	81
4/11/02	0	31	60	5/11/02	0	36	64	6/11/02	0	64	91	7/11/02	0	65	86	8/11/02	0	57	90
4/12/02	.06	34	71	5/12/02	.15	43	62	6/12/02	.03	68	90	7/12/02	0	48	75	8/12/02	0	68	93
4/13/02	.61	53	71	5/13/02	.98	46	69	6/13/02	.06	59	84	7/13/02	0	53	79	8/13/02	0	69	90
4/14/02	.11	51	63	5/14/02	.28	39	50	6/14/02	.21	58	73	7/14/02	0	78	85	8/14/02	0	70	92
4/15/02	.06	51	64	5/15/02	.2	38	65	6/15/02	.08	53	76	7/15/02	0	61	86	8/15/02	.44	67	88
4/16/02	0	58	82	5/16/02	0	41	70	6/16/02	0	52	75	7/16/02	0	63	91	8/16/02	0	67	86
4/17/02	0	63	86	5/17/02	.44	43	75	6/17/02	0	49	74	7/17/02	0	68	91	8/17/02	0	68	87
4/18/02	0	60	83	5/18/02	.03	37	49	6/18/02	.08	51	78	7/18/02	0	69	93	8/18/02	0	68	86
4/19/02	0	62	82	5/19/02	.01	33	51	6/19/02	0	56	79	7/19/02	0	66	93	8/19/02	0	57	83
4/20/02	0.5	43	85	5/20/02	.03	36	54	6/20/02	0	56	88	7/20/02	0	60	89	8/20/02	.36	53	78
4/21/02	.01	38	61	5/21/02	0	36	54	6/21/02	0	68	93	7/21/02	0	58	86	8/21/02	0	51	77
4/22/02	.2	36	43	5/22/02	0	34	51	6/22/02	.86	64	93	7/22/02	0	71	96	8/22/02	0	53	81
4/23/02	0	32	43	5/23/02	0	38	65	6/23/02	0	69	92	7/23/02	.61	71	92	8/23/02	1.83	69	88
4/24/02	0	29	53	5/24/02	0	48	78	6/24/02	0	67	92	7/24/02	0	58	96	8/24/02	.57	66	84
4/25/02	.02	37	71	5/25/02	0	45	72	6/25/02	0	65	94	7/25/02	0	58	78	8/25/02	0	58	80
4/26/02	0	32	57	5/26/02	.45	43	78	6/26/02	.47	69	95	7/26/02	0	61	80	8/26/02	0	58	83
4/27/02	0	31	58	5/27/02	0	44	69	6/27/02	.02	69	86	7/27/02	.48	65	88	8/27/02	0	54	81
4/28/02	.33	39	59	5/28/02	0	49	78	6/28/02	0	63	84	7/28/02	1	70	85	8/28/02	0	56	81
4/29/02	.17	36	68	5/29/02	0	59	76	6/29/02	0	58	82	7/29/02	.59	66	91	8/29/02	0	57	78
4/30/02	0	37	50	5/30/02	.11	63	77	6/30/02	0	60	89	7/30/02	.31	66	91	8/30/02	0	55	77
				5/31/02	0	64	81					7/31/02	0	67	86	8/31/02	0	52	80

Daily Weather Summary for 4/1/2002 to 8/31/2002 at OARDC, WOOSTER.
Wayne County, one mile south of Wooster; Latitude: 40° 47' N; Longitude: 81° 55' W; Elevation: 1020 ft.

APRIL				MAY				JUNE				JULY				AUGUST			
	Precip	Min. Temp.	Max. Temp.		Preci	Min. Temp.	Max. Temp.		Precip	Min. Temp.	Max. Temp.		Preci	Min. Temp.	Max. Temp.		Preci	Min. Temp.	Max. Temp.
Date	(in)	°F	°F	Date	p. (in)	°F	°F	Date	(in)	°F	°F	Date	p. (in)	°F	°F	Date	p. (in)	°F	°F
4/1/02	.06	34.3	49.8	5/1/02	.13	38.4	66.9	6/1/02	0	53.2	83.7	7/1/02	.01	68.8	92.6	8/1/02	0	65.2	96.9
4/2/02	.8	41.6	69.7	5/2/02	.08	40	67.8	6/2/02	0	53.4	74.9	7/2/02	0	70.6	94.6	8/2/02	.03	67.7	94.2
4/3/02	.44	30.1	46.8	5/3/02	0	32.5	55.5	6/3/02	.22	50	73.4	7/3/02	0	66.4	94.1	8/3/02	0	65.4	92.1
4/4/02	0	26.9	41	5/4/02	0	28	67.6	6/4/02	1.04	55.7	90.1	7/4/02	0	69.9	93.2	8/4/02	0	61.7	94.7
4/5/02	.06	27	39.6	5/5/02	0	37.1	74.6	6/5/02	.94	58.9	85.8	7/5/02	0	57.6	79.7	8/5/02	.12	62.1	89
4/6/02	.01	22.6	40.9	5/6/02	.06	47.6	68.7	6/6/02	.32	52.4	61.3	7/6/02	0	54.9	82.6	8/6/02	0	52.2	74.3
4/7/02	0	23.7	59.8	5/7/02	.09	50.3	73.3	6/7/02	0	47.4	75.8	7/7/02	0	49.8	88.7	8/7/02	0	49.2	76.2
4/8/02	.18	45	70.3	5/8/02	.22	41.7	66.6	6/8/02	0	51	85.2	7/8/02	0	54.4	90.3	8/8/02	0	49.2	79.6
4/9/02	.4	38.6	69.3	5/9/02	.13	51.7	74.8	6/9/02	0	59	88.2	7/9/02	0	69.1	82.4	8/9/02	0	48.1	87.2
4/10/02	0	31.7	61.2	5/10/02	0	41.6	63.7	6/10/02	0	60.1	90.3	7/10/02	0	59.5	81.3	8/10/02	0	53.2	91.1
4/11/02	0	35.9	79.3	5/11/02	.22	37.1	64.4	6/11/02	0	65.8	85.8	7/11/02	0	52.7	77.7	8/11/02	0	57.9	93.3
4/12/02	.17	51.4	75.7	5/12/02	.83	49.8	72.6	6/12/02	.06	68.9	83.6	7/12/02	0	49.1	85.5	8/12/02	.22	64.6	87.5
4/13/02	.29	53.5	68.6	5/13/02	.5	44.7	65.6	6/13/02	0	61.5	79.2	7/13/02	0	56.2	82.4	8/13/02	0	63.4	93.5
4/14/02	.76	50.7	62.3	5/14/02	.05	42.1	61.9	6/14/02	.31	58.4	76.4	7/14/02	0	59.6	88.4	8/14/02	.39	69.2	90.1
4/15/02	0	58.4	80	5/15/02	.01	39.8	69.8	6/15/02	.06	54.3	70.7	7/15/02	0	54.6	90.7	8/15/02	.17	69.8	86.4
4/16/02	0	60.9	85	5/16/02	.19	53	76.4	6/16/02	0	53.6	71.2	7/16/02	0	63.9	92.3	8/16/02	.31	72.1	90.1
4/17/02	0	63.7	84.6	5/17/02	.43	40.7	60.4	6/17/02	0	51.1	76	7/17/02	0	61.6	92.5	8/17/02	0	68.3	84.3
4/18/02	0	59.6	83	5/18/02	.07	35.1	50.4	6/18/02	0	54.6	79.6	7/18/02	.1	70.4	87.7	8/18/02	0	64	83.2
4/19/02	.11	58.6	84	5/19/02	0	32	53.5	6/19/02	0	53.4	88.6	7/19/02	.1	67.2	84.5	8/19/02	.15	64	79.4
4/20/02	.09	43.6	58.6	5/20/02	0	34.7	49	6/20/02	0	56.2	90.6	7/20/02	0	61.8	89.1	8/20/02	0	56.4	79.1
4/21/02	.13	39.5	46.1	5/21/02	0	29	55.7	6/21/02	0	59.5	92.4	7/21/02	0	56.7	93.9	8/21/02	0	52.6	87
4/22/02	0	37.4	44.3	5/22/02	0	30.4	67.2	6/22/02	0	63.6	90.1	7/22/02	.56	74.5	91.7	8/22/02	.1	62.9	90.7
4/23/02	0	35.7	53.9	5/23/02	0	37.1	76.2	6/23/02	0	63.1	90.8	7/23/02	0	63.8	81.9	8/23/02	.38	67.6	88.4
4/24/02	0	32	69.5	5/24/02	.09	47.2	72.7	6/24/02	0	63.1	92.2	7/24/02	0	57.7	82	8/24/02	.09	64.7	79
4/25/02	.06	39.5	61.9	5/25/02	.2	47.2	79.7	6/25/02	0	63.7	94.7	7/25/02	0	54.9	87.9	8/25/02	.01	60.2	82.8
4/26/02	0	33.9	58.8	5/26/02	0	47.1	72.3	6/26/02	.06	70.6	89.2	7/26/02	.06	63.5	88.5	8/26/02	0	57.6	79.6
4/27/02	.3	30.5	57	5/27/02	0	43.4	81.6	6/27/02	.24	67.5	83.4	7/27/02	0	68	81.5	8/27/02	0	56.3	82.5
4/28/02	.22	72.2	40.9	5/28/02	.04	56.8	78	6/28/02	0	60.6	82.1	7/28/02	0	75	92.1	8/28/02	0	58.4	84.7
4/29/02	.02	37.9	44.3	5/29/02	.4	57.5	81.7	6/29/02	0	56.1	87.2	7/29/02	.03	71.9	93.3	8/29/02	0	58.5	80.2
4/30/02	.01	39.6	60.5	5/30/02	.24	61.9	80.6	6/30/02	0	60.4	89.4	7/30/02	0	66.6	88.5	8/30/02	0	56.3	82.5
				5/31/02	.01	61.2	84.1					7/31/02	0	64.7	93.1	8/31/02	0	55.2	86.2

**Daily Weather Summary for 4/1/2003 to 8/31/2003 at OARDC - Muck Crops Research Branch, Celeryville, OH.
Huron County, Latitude: 41° 01' N; Longitude: 82° 44' W.**

Horticulture and Crop Science

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The Ohio State University

APRIL				MAY				JUNE				JULY				AUGUST			
Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F	Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F	Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F	Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F	Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F
4/1/03	.	.	.	5/1/03	.74	61	83	6/1/03	0	38.1	60.8	7/1/03	.1	62.4	84.8	8/1/03	0	64.8	85.6
4/2/03	.	.	.	5/2/03	0	45	60	6/2/03	0	37.3	70.4	7/2/03	0	62.8	86.4	8/2/03	1.34	64	79.6
4/3/03	.	.	.	5/3/03	0	42	62	6/3/03	.35	51.3	57.6	7/3/03	0	62.4	88.5	8/3/03	.21	66	76.8
4/4/03	.	.	.	5/4/03	0	37.7	68	6/4/03	.04	53.3	60	7/4/03	.01	68.8	91.3	8/4/03	.07	62.8	77.6
4/5/03	.	.	.	5/5/03	.55	52.5	74	6/5/03	0	50.2	64.4	7/5/03	.02	68.8	86.8	8/5/03	0	58.8	78.8
4/6/03	.	.	.	5/6/03	0	60	77.6	6/6/03	0	44.7	76.4	7/6/03	0	67.6	89.3	8/6/03	0	61.6	80.4
4/7/03	.	.	.	5/7/03	.46	52.1	68	6/7/03	0	59.2	76	7/7/03	.78	66	84	8/7/03	0	63.2	81.6
4/8/03	.	.	.	5/8/03	.14	52.1	59.2	6/8/03	1.28	58.8	79.6	7/8/03	3.57	67.6	87.7	8/8/03	0	59.6	80.8
4/9/03	.	.	.	5/9/03	1.25	50.6	74.4	6/9/01	.01	57.6	74	7/9/03	.07	67.6	74.8	8/9/03	0	66	78
4/10/03	.	.	.	5/10/03	.03	66.8	74.4	6/10/03	0	54.1	76.4	7/10/03	.08	67.2	78.4	8/10/03	0	63.2	79.6
4/11/03	.	.	.	5/11/03	.11	49.8	71.3	6/11/03	0	66.4	77.6	7/11/03	.03	62.4	72	8/11/03	0	58.4	78.8
4/12/03	.	.	.	5/12/03	.29	42	61	6/12/03	.22	63.2	74.8	7/12/03	0	57.6	75.2	8/12/03	0	61.2	82
4/13/03	.	.	.	5/13/03	.01	44.7	64.4	6/13/03	.02	62	79.2	7/13/03	0	52.1	81.2	8/13/03	0	63.2	85.6
4/14/03	.	.	.	5/14/03	.01	36.5	68.4	6/14/03	0	62	73.2	7/14/03	0	54.9	84.4	8/14/03	0	62.8	88.9
4/15/03	.	.	.	5/15/03	.13	51	69.6	6/15/03	0	58	77.6	7/15/03	.06	58.8	83.6	8/15/03	.23	66.8	88.9
4/16/03	.	.	.	5/16/03	0	51	66.4	6/16/03	0	55.3	78.8	7/16/03	.01	60.8	80.4	8/16/03	0	66.8	86.8
4/17/03	.	.	.	5/17/03	0	52.1	69.2	6/17/03	.27	64.4	68.8	7/17/03	.06	54.9	84.8	8/17/03	0	57.3	76.4
4/18/03	.	.	.	5/18/03	0	55.3	68	6/18/03	0	61.6	77.2	7/18/03	.01	58	77.6	8/18/03	0	50.6	80.8
4/19/03	.	.	.	5/19/03	0	54.1	78	6/19/03	.02	50.6	67.2	7/19/03	0	47.4	80.4	8/19/03	0	51.3	86
4/20/03	.	.	.	5/20/03	.67	53.7	70	6/20/03	0	47	68.4	7/20/03	0	55.3	82.8	8/20/03	0	54.5	86.8
4/21/03	.	.	.	5/21/03	0	42	55.3	6/21/03	0	48.6	76.8	7/21/03	0	64.8	75.2	8/21/03	0	62.4	91.3
4/22/03	.	.	.	5/22/03	0	34.6	62	6/22/03	0	49.8	83.2	7/22/03	.04	64.8	72.8	8/22/03	1.37	63.2	79.6
4/23/03	.	.	.	5/23/03	0	40.4	62	6/23/03	0	52.9	88.5	7/23/03	0	62	72	8/23/03	0	54.1	81
4/24/03	.	.	.	5/24/03	0	40	57.3	6/24/03	0	55.7	89.7	7/24/03	0	60.8	78.8	8/24/03	0	52.1	80
4/25/03	.	.	.	5/25/03	0	41.6	64.8	6/25/03	0	61.2	92.5	7/25/03	0	56.5	82.8	8/25/03	0	61.2	89.7
4/26/03	.	.	.	5/26/03	0	40.8	68.8	6/26/03	.58	64.8	91.3	7/26/03	0	60.8	82.4	8/26/03	.27	66	81.6
4/27/03	.	.	.	5/27/03	.3	42	68	6/27/03	0	58.8	77.2	7/27/03	.97	70.8	86.4	8/27/03	0	66	84
4/28/03	.	.	.	5/28/03	.01	49	70.4	6/28/03	0	56.1	83.6	7/28/03	0	56.5	71.2	8/28/03	0	58.4	86.8
4/29/03	.	.	.	5/29/03	0	51	76	6/29/03	.03	66	84.8	7/29/03	0	49	78	8/29/03	.18	72	83.2
4/30/03	.	.	.	5/30/03	0	49.4	73.6	6/30/03	.11	62.4	80.8	7/30/03	0	51.3	82.4	8/30/03	.02	53.7	80
				5/31/03	.53	47.4	60.4					7/31/03	0	60.8	82.4	8/31/03	.07	51.7	72

Daily Weather Summary for 4/1/2003 to 8/31/2003 at OARDC - Vegetable Crops Research Branch, Fremont, OH
Sandusky County, Latitude: 41° 21' N; Longitude: 83° 07' W; Elevation: 636 ft.

APRIL				MAY				JUNE				JULY				AUGUST			
Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F	Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F	Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F	Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F	Date	Precip. (in)	Min. Temp. °F	Max. Temp. °F
4/1/03	.05	26	49	5/1/03	0.05	48	75	6/1/03	.04	38	58	7/1/03	0	58	84	8/1/03	0	58	84
4/2/03	0	46	71	5/2/03	.69	48	81	6/2/03	0	39	64	7/2/03	0	62	85	8/2/03	1.28	62	86
4/3/03	0	36	76	5/3/03	0	42	53	6/3/03	.07	48	71	7/3/03	0	63	87	8/3/03	.18	63	83
4/4/03	0	30	53	5/4/03	.01	33	57	6/4/03	.05	49	59	7/4/03	0	67	91	8/4/03	.22	67	78
4/5/03	2.75	31	43	5/5/03	.7	51	62	6/5/03	0	48	63	7/5/03	.15	68	92	8/5/03	.25	68	80
4/6/03	0	26	36	5/6/03	.02	51	77	6/6/03	0	44	70	7/6/03	.04	67	87	8/6/03	.25	67	79
4/7/03	.22	27	36	5/7/03	.23	48	76	6/7/03	.02	53	78	7/7/03	.44	64	89	8/7/03	0	64	84
4/8/03	.19	29	36	5/8/03	1.12	48	57	6/8/03	0	59	79	7/8/03	.62	65	84	8/8/03	0	65	84
4/9/03	0	29	34	5/9/03	0.5	47	57	6/9/01	.78	56	76	7/9/03	.76	65	88	8/9/03	0	65	81
4/10/03	0	27	39	5/10/03	0.3	49	81	6/10/03	0	53	76	7/10/03	.04	64	77	8/10/03	0	64	79
4/11/03	0	26	49	5/11/03	0.57	41	76	6/11/03	0	61	79	7/11/03	.3	63	82	8/11/03	0	63	81
4/12/03	0	30	63	5/12/03	0.23	44	62	6/12/03	.27	57	78	7/12/03	0	55	75	8/12/03	0	55	81
4/13/03	0	25	57	5/13/03	.03	41	53	6/13/03	.73	59	77	7/13/03	0	53	80	8/13/03	0	53	82
4/14/03	0	33	53	5/14/03	0	37	67	6/14/03	.13	60	80	7/14/03	0	54	83	8/14/03	0	54	82
4/15/03	0	41	77	5/15/03	.2	45	70	6/15/03	.02	53	75	7/15/03	0	58	85	8/15/03	0	58	89
4/16/03	0	50	83	5/16/03	0	48	66	6/16/03	0	53	77	7/16/03	0	56	83	8/16/03	.04	56	89
4/17/03	0	33	81	5/17/03	0	51	67	6/17/03	0	61	76	7/17/03	0	54	82	8/17/03	.54	54	89
4/18/03	.07	34	54	5/18/03	0	51	69	6/18/03	.02	61	72	7/18/03	.02	59	85	8/18/03	0	59	76
4/19/03	.07	46	67	5/19/03	0	55	66	6/19/03	0	58	82	7/19/03	0	47	78	8/19/03	0	47	79
4/20/03	0	57	78	5/20/03	.47	56	76	6/20/03	0	48	71	7/20/03	0	54	81	8/20/03	0	54	85
4/21/03	.03	48	78	5/21/03	.12	44	73	6/21/03	0	46	72	7/21/03	1.03	63	83	8/21/03	0	63	86
4/22/03	0	37	60	5/22/03	0	38	57	6/22/03	0	50	79	7/22/03	.41	60	79	8/22/03	.4	60	90
4/23/03	0	27	45	5/23/03	0	41	61	6/23/03	0	53	85	7/23/03	.04	57	75	8/23/03	0	57	81
4/24/03	0	27	57	5/24/03	0	40	63	6/24/03	0	55	89	7/24/03	0	52	77	8/24/03	0	52	78
4/25/03	0	30	65	5/25/03	0	41	60	6/25/03	0	61	89	7/25/03	0	55	81	8/25/03	0	55	81
4/26/03	.04	38	64	5/26/03	0	40	65	6/26/03	0	68	91	7/26/03	0	60	84	8/26/03	0	60	90
4/27/03	0	28	59	5/27/03	0	42	70	6/27/03	0	54	90	7/27/03	0	69	85	8/27/03	.59	69	84
4/28/03	0	45	73	5/28/03	.23	42	70	6/28/03	0	57	79	7/28/03	1.57	60	85	8/28/03	0	60	88
4/29/03	0	41	80	5/29/03	0	47	73	6/29/03	0	63	84	7/29/03	0	48	74	8/29/03	0	48	87
4/30/03	0	43	63	5/30/03	0	50	77	6/30/03	.12	62	85	7/30/03	0	48	79	8/30/03	0	48	81
				5/31/03	.86	50	76					7/31/03	0	53	84	8/31/03	0	53	73

Daily Weather Summary for 4/1/2003 to 8/31/2003 at OARDC, WOOSTER.
Wayne County, one mile south of Wooster; Latitude: 40° 47' N; Longitude: 81° 55' W; Elevation: 1020 ft.

APRIL				MAY				JUNE				JULY				AUGUST			
	Preci	Min.	Max.		Preci	Min.	Max.		Precip	Min.	Max.		Preci	Min.	Max.		Preci	Min.	Max.
Date	p. (in)	°F	°F	Date	p. (in)	°F	°F	Date	(in)	°F	°F	Date	p. (in)	°F	°F	Date	p. (in)	°F	°F
4/1/03	.08	36.3	68.7	5/1/03	.13	59.9	83.1	6/1/03	0	41.7	60.0	7/1/03	0	57.3	87.3	8/1/03	.01	65.8	86.2
4/2/03	0	50.9	75.1	5/2/03	.04	48.9	60.4	6/2/03	0	36.1	71.5	7/2/03	0	63.4	87.7	8/2/03	.36	64.9	81.9
4/3/03	0	47.7	75.9	5/3/03	0	45.1	64.8	6/3/03	.38	51.0	57.7	7/3/03	0	61.9	87.5	8/3/03	.32	66.4	78.1
4/4/03	.98	41.4	63.6	5/4/03	0	38.5	70.5	6/4/03	.09	54.8	64.4	7/4/03	.47	67.3	89.8	8/4/03	0	64.3	81.2
4/5/03	.6	31.6	54.3	5/5/03	.81	50.7	75.1	6/5/03	0	48.8	61.9	7/5/03	0	69.4	85.1	8/5/03	.07	61.3	79.6
4/6/03	0	29.1	40.1	5/6/03	0	59.0	79.5	6/6/03	0	43.0	76.0	7/6/03	.07	66.9	88.7	8/6/03	0	61.4	82.4
4/7/03	.65	34.9	42.6	5/7/03	.26	52.1	70.3	6/7/03	.04	57.7	74.0	7/7/03	.64	67.6	84.7	8/7/03	.01	63.3	83.1
4/8/03	.01	33.5	43.5	5/8/03	.55	51.8	66.9	6/8/03	.67	54.8	79.6	7/8/03	2.56	66.4	91.2	8/8/03	0	63.5	79.9
4/9/03	0	31.6	43.1	5/9/03	.83	48.9	73.8	6/9/01	0	56.6	73.7	7/9/03	.16	66.2	77.8	8/9/03	.04	64.3	80.6
4/10/03	0	35.7	60.1	5/10/03	.06	65.3	77.8	6/10/03	0	52.2	79.9	7/10/03	.43	67.4	79.8	8/10/03	.02	60.8	80.6
4/11/03	0	31.7	63.3	5/11/03	.04	51.6	75.4	6/11/03	.5	64.5	78.4	7/11/03	.14	64.0	74.0	8/11/03	0	59.6	83.8
4/12/03	0	37.0	58.8	5/12/03	.26	47.4	51.6	6/12/03	1.32	66.4	77.9	7/12/03	0	55.6	77.6	8/12/03	0	62.6	85.9
4/13/03	0	29.3	59.7	5/13/03	0	44.9	64.7	6/13/03	.17	64.7	83.0	7/13/03	0	52.3	84.0	8/13/03	0	64.6	87.3
4/14/03	0	33.3	76.6	5/14/03	.02	38.2	72.0	6/14/03	0	62.7	74.9	7/14/03	0	54.9	86.3	8/14/03	0	64.0	91.0
4/15/03	0	53.7	81.0	5/15/03	.74	51.7	75.4	6/15/03	0	60.1	82.1	7/15/03	.32	56.3	84.7	8/15/03	.4	67.2	88.2
4/16/03	0	51.0	80.2	5/16/03	.11	54.6	69.2	6/16/03	0	59.3	82.1	7/16/03	.02	58.3	80.9	8/16/03	.76	67.2	84.7
4/17/03	0	43.9	69.6	5/17/03	0	50.4	66.8	6/17/03	.05	63.5	68.1	7/17/03	0	54.8	84.0	8/17/03	.01	56.9	77.6
4/18/03	0	48.7	60.4	5/18/03	.01	53.6	68.0	6/18/03	.01	62.3	78.4	7/18/03	.03	56.3	79.9	8/18/03	0	53.8	80.4
4/19/03	0	44.2	76.1	5/19/03	0	49.9	76.6	6/19/03	.03	51.2	68.1	7/19/03	0	50.9	80.7	8/19/03	0	55.3	86.8
4/20/03	.3	56.5	80.4	5/20/03	.08	51.6	65.6	6/20/03	0	47.3	68.9	7/20/03	.02	54.9	81.3	8/20/03	0	57.2	88.8
4/21/03	0	49.5	62.9	5/21/03	0	42.2	61.4	6/21/03	0	49.8	73.7	7/21/03	.87	68.3	76.7	8/21/03	0	64.4	88.9
4/22/03	.02	39.0	49.6	5/22/03	0	36.1	66.7	6/22/03	0	50.4	81.4	7/22/03	.28	61.7	75.8	8/22/03	0	58.9	83.0
4/23/03	0	31.6	52.7	5/23/03	.01	43.6	63.3	6/23/03	0	50.1	87.6	7/23/03	.12	60.4	73.1	8/23/03	0	53.4	78.8
4/24/03	0	27.1	62.7	5/24/03	.01	42.3	61.3	6/24/03	0	55.0	90.3	7/24/03	0	55.6	80.0	8/24/03	0	52.3	80.2
4/25/03	0	36.1	66.5	5/25/03	0	46.5	68.5	6/25/03	0	59.6	90.2	7/25/03	0	54.9	84.4	8/25/03	0	56.8	87.7
4/26/03	0	39.6	60.4	5/26/03	0	44.3	67.7	6/26/03	.03	64.4	89.2	7/26/03	0	59.1	82.1	8/26/03	.87	66.4	81.1
4/27/03	0	29.36	73.9	5/27/03	.1	45.6	67.7	6/27/03	0	58.3	77.7	7/27/03	.87	70.1	86.0	8/27/03	.03	64.7	85.4
4/28/03	0	37.8	77.8	5/28/03	0	46.5	71.6	6/28/03	0	52.2	82.1	7/28/03	0	55.1	73.6	8/28/03	0	55.8	86.3
4/29/03	.12	47.9	70.8	5/29/03	.03	51.7	76.5	6/29/03	0	64.2	82.4	7/29/03	.01	50.8	79.7	8/29/03	.32	67.8	84.5
4/30/03	0	51.0	79.3	5/30/03	0	50.4	74.2	6/30/03	.65	61.8	78.7	7/30/03	0	53.9	86.0	8/30/03	.39	52.1	72.8
				5/31/03	.55	46.0	63.8					7/31/03	.16	63.4	79.9	8/31/03	.13	51.2	74.4

The Ohio State University

APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

Trial ID: APPLTOLWCWOOS2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: WOOSTER, OHIO Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City:	Wooster	Trial Status:	Final
State/Prov.:	Ohio	Trial Reliability:	Reliable
Postal Code:	44691	Initiation Date:	04/17/03
Country:	USA	Planned Completion Date:	12/30/03

Objective: Demonstrate crop safety for Sinbar, on first year apple trees when applied to soils with less than 3% organic matter.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	AGRASS	annual grasses (various)	<i>Setaria spp. and Digitaria spp.</i>
2	AMBEL	common ragweed	<i>Ambrosia artemesifolia L.</i>
3	POLPY	Pennsylvania smartweed	<i>Polygonum pennsylvanicum L.</i>
4	CIRAR	Canada thistle	<i>Cirsium arvense (L.) SCOP.</i>
5	SOLPT	Eastern black nightshade	<i>Solanum ptycanthum</i>
6	VERPG	purslane speedwell	<i>Veronica peregrina L.</i>
7	STEME	common chickweed	<i>Stellaria media (L.) Vill.</i>
8	AMAXX	pigweed species	<i>Amaranthus spp.</i>
9	TAROF	dandelion	<i>Taraxacum officinale Weber</i>
10	OXAST	yellow woodsorrel	<i>Oxalis stricta L.</i>
11	SENVU	common groundsel	<i>Senecio vulgaris L.</i>

Crop 1: MABSD APPLE Variety: "Gibson" Golden Delicious
 Planting Date: 04/15/03 Planting Method: MECHANICAL
 Rate: 1 3.5 X 4.5M Depth: 18 " Perennial Age: 1 YR.
 Row Spacing: 4 8 Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 10 FT Reps: 4
 Site Type: LEVEL FIELD
 Tillage Type: NONE Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 16 % OM: 3.11 Texture: SILT LOAM
 % Silt: 72 pH: 6.86 Soil Name: WOOSTER SILT LOAM
 % Clay: 12 CEC: 14 Fert. Level: MODERATE

Overall Moisture Conditions: MOIST

The Ohio State University

APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

APPLICATION DESCRIPTION

A

Application Date: 4/17/2003
 Time of Day: 7:30 PM
 Application Method: SPRAY
 Application Timing: PRE
 Applic. Placement: BROADCAST
 Air Temp., Unit: 54 F
 % Relative Humidity: 67
 Wind Velocity, Unit: 4 MPH
 Soil Moisture: MOIST
 % Cloud Cover: 50

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: MABSD PRE
 Stage Scale: DORMANT
 Height, Unit: 6 FT.

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: AGRAS PRE
 Stage Scale: .
 Density, Unit: . .
 Weed 2 Code, Stage: AMBEL PRE
 Stage Scale: .
 Density, Unit: . .
 Weed 3 Code, Stage: POLPY PRE
 Stage Scale: .
 Density, Unit: . .
 Weed 4 Code, Stage: CIRAR PRE
 Stage Scale: .
 Density, Unit: . .
 Weed 5 Code, Stage: SOLPT PRE
 Stage Scale: .
 Density, Unit: . .
 Weed 6 Code, Stage: VERPG PRE
 Stage Scale: .
 Density, Unit: . .
 Weed 7 Code, Stage: STEME PRE
 Stage Scale: .
 Density, Unit: . .
 Weed 8 Code, Stage: AMAXX PRE
 Stage Scale: .
 Density, Unit: . .
 Weed 9 Code, Stage: TAROF PRE
 Stage Scale: .
 Density, Unit: . .
 Weed10 Code, Stage: OXAST PRE
 Stage Scale: .
 Density, Unit: . .
 Weed11 Code, Stage: SENVU PRE
 Stage Scale: .
 Density, Unit: . .

The Ohio State University

APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

APPLICATION EQUIPMENT

A

Appl. Equipment:	CO2 BCKPK
Operating Pressure:	35
Nozzle Type:	FLAT FAN
Nozzle Size:	8002VS
Nozzle Spacing, Unit:	15 IN.
Nozzles/Row:	2
Band Width, Unit:	3 FT.
Boom Height, Unit:	18 IN.
Ground Speed, Unit:	3.5 MPH
Carrier:	WATER
Spray Volume, Unit:	20 GPA

Trial Comments

Thistles were scattered throughout the trial area; not consistent from plot to plot. Weed ratings based on visual observation: 0% = no control, and 100% = complete control. On injury ratings, " % burn " refers to leaf necrosis.

The Ohio State University

APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

Trial ID: APPLTOLWCWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T. Koch

Location: WOOSTER, OHIO Investigator: Dr. Douglas
J. Doohan

Weed Code					AGRASS			
Crop Code					MABSD	MABSD	MABSD	MABSD
Part Rated					LEAVES	LEAVES	LEAVES	WEED
Rating Data Type					STUNT	CHLOROSIS	BURN	CONTROL
Rating Unit					%	%	%	%
Rating Date					5/15/2003	5/15/2003	5/15/2003	5/15/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	1	2	3	4
SINBAR	0.625 LB/A		PRE	A	0	0	0	93
SINBAR	1.25 LB/A		PRE	A	0	0	0	96
SINBAR	2.5 LB/A		PRE	A	0	0	0	97
SINBAR	5 LB/A		PRE	A	0	0	0	98
SOLICAM	4.37 LB/A		PRE	A	0	0	0	99
CONTROL					0	0	0	0
LSD (P=.05)					0	0	0	3.7
Standard Deviation					0	0	0	2.4
CV					0	0	0	3.03

The Ohio State University

APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

Trial ID: APPLTOLWCWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T. Koch

Location: WOOSTER, OHIO Investigator: Dr. Douglas
J. Doohan

Weed Code					POLPY	AMBEL	CIRAR	VERPG
Crop Code					MABSD	MABSD	MABSD	MABSD
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					5/15/2003	5/15/2003	5/15/2003	5/15/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	5	6	7	8
SINBAR	0.625 LB/A		PRE	A	99	99	94	99
SINBAR	1.25 LB/A		PRE	A	99	99	79	99
SINBAR	2.5 LB/A		PRE	A	99	99	99	99
SINBAR	5 LB/A		PRE	A	99	99	96	99
SOLICAM	4.37 LB/A		PRE	A	99	99	96	99
CONTROL					0	0	0	0
LSD (P=.05)					0	0	26.6	0
Standard Deviation					0	0	17.7	0
CV					0	0	22.86	0

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APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

Trial ID: APPLTOLWCWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T. Koch

Location: WOOSTER, OHIO Investigator: Dr. Douglas
J. Doohan

Weed Code					SOLPT	STEME		
Crop Code					MABSD	MABSD	MABSD	MABSD
Part Rated					WEED	WEED	LEAVES	LEAVES
Rating Data Type					CONTROL	CONTROL	STUNT	CHLOROSIS
Rating Unit					%	%	%	%
Rating Date					5/15/2003	5/15/2003	6/12/2003	6/12/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	9	10	11	12
SINBAR	0.625 LB/A		PRE	A	99	99	0	0
SINBAR	1.25 LB/A		PRE	A	99	99	0	0
SINBAR	2.5 LB/A		PRE	A	99	99	0	0
SINBAR	5 LB/A		PRE	A	99	99	0	0
SOLICAM	4.37 LB/A		PRE	A	99	99	0	0
CONTROL					0	0	0	0
LSD (P=.05)					0	0	0	0
Standard Deviation					0	0	0	0
CV					0	0	0	0

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APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

Trial ID: APPLTOLWCWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T. Koch

Location: WOOSTER, OHIO Investigator: Dr. Douglas
J. Doohan

Weed Code					AGRASS	POLPY	AMBEL
Crop Code					MABSD	MABSD	MABSD
Part Rated					LEAVES	WEED	WEED
Rating Data Type					BURN	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					6/12/2003	6/12/2003	6/12/2003
Treatment	Product	Product	Grow	Appl			
Name	Rate	Rate Unit	Stg	Code	13	14	15
SINBAR	0.625 LB/A		PRE	A	0	99	99
SINBAR	1.25 LB/A		PRE	A	0	99	99
SINBAR	2.5 LB/A		PRE	A	0	99	99
SINBAR	5 LB/A		PRE	A	45	99	99
SOLICAM	4.37 LB/A		PRE	A	0	99	99
CONTROL					0	0	0
LSD (P=.05)					19	0	0
Standard Deviation					12.6	0	0
CV					167.77	0	0

The Ohio State University

APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

Trial ID: APPLTOLWCWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T. Koch

Location: WOOSTER, OHIO Investigator: Dr. Douglas
J. Doohan

Weed Code					CIRAR	VERPG	SOLPT	STEME
Crop Code					MABSD	MABSD	MABSD	MABSD
Part Rated					WEED	WEED	WEED	LEAVES
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					6/12/2003	6/12/2003	6/12/2003	6/12/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	17	18	19	20
SINBAR	0.625 LB/A		PRE	A	78	99	99	99
SINBAR	1.25 LB/A		PRE	A	78	99	99	99
SINBAR	2.5 LB/A		PRE	A	72	99	99	99
SINBAR	5 LB/A		PRE	A	76	99	99	99
SOLICAM	4.37 LB/A		PRE	A	99	99	99	99
CONTROL					0	0	0	0
LSD (P=.05)					43.6	0	0	0
Standard Deviation					28.9	0	0	0
CV					43.01	0	0	0

The Ohio State University

APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

Trial ID: APPLTOLWCWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T. Koch

Location: WOOSTER, OHIO Investigator: Dr. Douglas
J. Doohan

Weed Code					TRFRE	OXAST	CHEAL	SENVU
Crop Code					MABSD	MABSD	MABSD	MABSD
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					6/12/2003	6/12/2003	6/12/2003	6/12/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	21	22	23	24
SINBAR	0.625 LB/A		PRE	A	99	99	99	99
SINBAR	1.25 LB/A		PRE	A	99	99	99	99
SINBAR	2.5 LB/A		PRE	A	99	99	99	99
SINBAR	5 LB/A		PRE	A	99	99	99	99
SOLICAM	4.37 LB/A		PRE	A	99	99	99	99
CONTROL					0	0	0	0
LSD (P=.05)					0	0	0	0
Standard Deviation					0	0	0	0
CV					0	0	0	0

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APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

Trial ID: APPLTOLWCWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T. Koch

Location: WOOSTER, OHIO Investigator: Dr. Douglas
J. Doohan

Weed Code					TAROF	AGRASS	POLPY
Crop Code					MABSD	MABSD	MABSD
Part Rated					LEAVES	WEED	WEED
Rating Data Type					INJURY	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					7/11/2003	7/11/2003	7/11/2003
Treatment	Product	Product	Grow	Appl			
Name	Rate	Rate Unit	Stg	Code	25	26	27
SINBAR	0.625 LB/A		PRE	A	0	37	76
SINBAR	1.25 LB/A		PRE	A	0	18	84
SINBAR	2.5 LB/A		PRE	A	3	0	95
SINBAR	5 LB/A		PRE	A	23	0	98
SOLICAM	4.37 LB/A		PRE	A	1	0	97
CONTROL					0	0	0
LSD (P=.05)					20.4	33.1	4.7
Standard Deviation					13.5	22	3.1
CV					309.43	240.88	4.2

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APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

Trial ID: APPLTOLWCWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T. Koch

Location: WOOSTER, OHIO Investigator: Dr. Douglas
J. Doohan

Weed Code					CIRAR	SENVU	AMAXX	
Crop Code					MABSD	MABSD	MABSD	MABSD
Part Rated					WEED	WEED	WEED	LEAVES
Rating Data Type					CONTROL	CONTROL	CONTROL	STUNT
Rating Unit					%	%	%	%
Rating Date					7/11/2003	7/11/2003	7/11/2003	8/15/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	29	30	31	32
SINBAR	0.625	LB/A	PRE	A	37	96	87	0
SINBAR	1.25	LB/A	PRE	A	32	99	99	0
SINBAR	2.5	LB/A	PRE	A	67	99	97	0
SINBAR	5	LB/A	PRE	A	92	99	87	16
SOLICAM	4.37	LB/A	PRE	A	54	99	99	0
CONTROL					0	0	0	0
LSD (P=.05)					49.6	4.3	21.9	4.6
Standard Deviation					32.9	2.9	14.6	3.1
CV					70.01	3.49	18.65	113.05

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APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

Trial ID: APPLTOLWCWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T. Koch

Location: WOOSTER, OHIO Investigator: Dr. Douglas
J. Doohan

Weed Code					TAROF		AGRASS	
Crop Code					MABSD	MABSD	MABSD	MABSD
Part Rated					LEAVES	LEAVES	WEED	WEED
Rating Data Type					CHLOROSIS	BURN	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/15/2003	8/15/2003	8/15/2003	8/15/2003
Treatment	Product	Product	Grow	Appl	33	34	35	36
Name	Rate	Rate Unit	Stg	Code				
SINBAR	0.625 LB/A		PRE	A	0	0	99	55
SINBAR	1.25 LB/A		PRE	A	0	0	99	55
SINBAR	2.5 LB/A		PRE	A	0	0	99	83
SINBAR	5 LB/A		PRE	A	0	1	99	96
SOLICAM	4.37 LB/A		PRE	A	0	0	99	86
CONTROL					0	0	0	0
LSD (P=.05)					0	1.5	0	9
Standard Deviation					0	1	0	5.9
CV					0	489.9	0	9.54

The Ohio State University

APPLES - SINBAR TOLERANCE AND WEED CONTROL ON FIRST YEAR TREES

Trial ID: APPLTOLWCWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T. Koch

Location: WOOSTER, OHIO Investigator: Dr. Douglas
J. Doohan

Weed Code					POLPY	CIRAR	SENVU	AMAXX
Crop Code					MABSD	MABSD	MABSD	MABSD
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/15/2003	8/15/2003	8/15/2003	8/15/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	37	38	39	40
SINBAR	0.625 LB/A		PRE	A	99	0	99	99
SINBAR	1.25 LB/A		PRE	A	99	32	99	99
SINBAR	2.5 LB/A		PRE	A	99	46	99	99
SINBAR	5 LB/A		PRE	A	99	79	99	99
SOLICAM	4.37 LB/A		PRE	A	99	30	99	99
CONTROL					0	0	0	0
LSD (P=.05)					0	28.8	0	0
Standard Deviation					0	19.1	0	0
CV					0	61.3	0	0

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPREHTWCVLL2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City: Celeryville	Trial Status: Final
State/Prov.: Ohio	Trial Reliability: Reliable
Postal Code: 44890	Initiation Date: 06/28/03
Country: USA	Planned Completion Date: 12/30/03

Objective: To evaluate weed control and crop injury using various PRE herbicide combinations.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	POROL	common purslane	<i>Portulaca oleracea L.</i>
2	AMARE	redroot pigweed	<i>Amaranthus retroflexus</i>
3	AMAXX	pigweed species	<i>Amaranth spp.</i>
4	AGRASS	foxtail and crabgrass species	<i>Setaria spp., Digitaria spp.</i>
5	AMABL	prostrate pigweed	<i>Amaranthus blitoides S. Wats.</i>

Crop 1: DILL DILL Variety: Dukat
 Planting Date: 06/27/03 Planting Method: CONVENTIONAL
 Rate: 12 SEEDS/FT. Depth: 0.50 IN
 Row Spacing: 12 IN Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 2: KALE KALE Variety: Vates Blue Curled
 Planting Date: 06/27/03 Planting Method: CONVENTIONAL
 Rate: 12 SEEDS/FT. Depth: 0.50 IN
 Row Spacing: 12 IN Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 3: COLLID COLLARD Variety: Champion
 Planting Date: 06/27/03 Planting Method: CONVENTIONAL
 Rate: 12 SEEDS/FT. Depth: 0.50 IN
 Row Spacing: 12 IN Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 4: MUSGN MUSTARD GREEN Variety: Savannah
 Planting Date: 06/27/03 Planting Method: CONVENTIONAL
 Rate: 12 SEEDS/FT. Depth: 0.50 IN
 Row Spacing: 12 IN Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 5: TURGN TURNIP GREEN Variety: Alamo
 Planting Date: 06/27/03 Planting Method: CONVENTIONAL
 Rate: 12 SEEDS/FT. Depth: 0.50 IN
 Row Spacing: 12 IN Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Crop 6: CILAN CILANTRO Variety: Santo
 Planting Date: 06/27/03 Planting Method: CONVENTIONAL
 Rate: 12 SEEDS/FT. Depth: 0.50 IN
 Row Spacing: 12 IN Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 20 FT Reps: 4
 Site Type: LEVEL FIELD
 Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 64 % OM: 70 Texture: MUCK
 % Silt: 31 pH: 5.6 Soil Name: LINWOOD MUCK
 % Clay: 5 Fert. Level: HIGH

APPLICATION DESCRIPTION

A

Application Date: 6/28/2003
 Time of Day: 12-2PM
 Application Method: SPRAY
 Application Timing: PRE
 Applic. Placement: BDCST.
 Air Temp., Unit: 70 F
 % Relative Humidity: 50
 Wind Velocity, Unit: 3 MPH
 Soil Moisture: MOIST
 % Cloud Cover: 50

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: DILL PRE
 Stage Scale: .
 Height, Unit: .
 Crop 2 Code, Stage: KALE PRE
 Stage Scale: .
 Height, Unit: .
 Crop 3 Code, Stage: COLL D PRE
 Stage Scale: .
 Height, Unit: .
 Crop 4 Code, Stage: MUSGN PRE
 Stage Scale: .
 Height, Unit: .
 Crop 5 Code, Stage: TURGN PRE
 Stage Scale: .
 Height, Unit: .
 Crop 6 Code, Stage: CILAN PRE
 Stage Scale: .
 Height, Unit: .

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: POROL PRE
Stage Scale: .
Density, Unit: . .
Weed 2 Code, Stage: AMARE PRE
Stage Scale: .
Density, Unit: . .
Weed 3 Code, Stage: AMAXX PRE
Stage Scale: .
Density, Unit: . .
Weed 4 Code, Stage: AGRAS PRE
Stage Scale: .
Density, Unit: . .
Weed 5 Code, Stage: AMABL PRE
Stage Scale: .
Density, Unit: .

APPLICATION EQUIPMENT

A

Appl. Equipment: CO2 BACKPK.
Operating Pressure: 35 PSI
Nozzle Type: FLAT FAN
Nozzle Size: 8002 VS
Nozzle Spacing, Unit: 18 IN
Nozzles/Row: 2
Boom Height, Unit: 18 IN
Ground Speed, Unit: 3.5 MPH

Spray Volume, Unit: 20 GPA

Trial Comments

Emergence on dill and cilantro was spotty in general. Plots were 6' wide by 20' long. Each 6' wide plot contained a single 20' long row of each crop. Crop heights taken pre-harvest, were the average of three plants measured in centimeters. This is denoted as "AV.HEIGHT" in the data columns. The weed ratings were done on a per plot basis, 0= no control, and 100 = complete control. Weed weights at harvest were also taken on a per plot basis. Crop injury ratings were as follows: 0= no injury, and 100 =total crop. "ALL CROP" refers to all six crops in general.

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPREHTWCVLL2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code							
Crop Code					DILL	CILAN	KALE
Part Rated					PLANT	PLANT	PLANT
Rating Data Type					INJURY	INJURY	INJURY
Rating Unit					%	%	%
Rating Date					7/17/2003	7/17/2003	7/17/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3
WEEDY CONTROL					0	0	0
DUAL MAGNUM	1.05 PT/A		PRE	A	0	0	0
OUTLOOK	0.67 PT/A		PRE	A	11	13	15
NORTRON	4 PT/A		PRE	A	18	18	18
PROWL	4.85 PT/A		PRE	A	15	20	10
SPARTAN	6.8 OZ/A		PRE	A	10	10	18
LSD (P=.05)					6.8	8	11.1
Standard Deviation					4.5	5.3	7.3
CV					50.52	53.23	73.41

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPREHTWCVLL2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								AMAXX
Crop Code					COLLD	MUSGN	TURGN	
Part Rated					PLANT	PLANT	PLANT	WEED
Rating Data Type					INJURY	INJURY	INJURY	CONTROL
Rating Unit					%	%	%	%
Rating Date					7/17/2003	7/17/2003	7/17/2003	7/17/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	4	5	6	7
WEEDY CONTROL					0	0	0	0
DUAL MAGNUM	1.05 PT/A		PRE	A	0	0	0	0
OUTLOOK	0.67 PT/A		PRE	A	15	19	15	79
NORTRON	4 PT/A		PRE	A	20	19	23	75
PROWL	4.85 PT/A		PRE	A	36	49	20	85
SPARTAN	6.8 OZ/A		PRE	A	14	14	0	30
LSD (P=.05)					10.9	10.5	11.8	8.2
Standard Deviation					7.2	7	7.8	5.5
CV					50.87	41.95	81.76	12.21

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPREHTWCVLL2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					POROL				
Crop Code							DILL	CILAN	KALE
Part Rated					WEED		PLANT	PLANT	PLANT
Rating Data Type					CONTROL		INJURY	INJURY	INJURY
Rating Unit					%		%	%	%
Rating Date					7/17/2003	7/31/2003	7/31/2003	7/31/2003	7/31/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	8	9	10	11	
WEEDY CONTROL					0	0	0	0	
DUAL MAGNUM	1.05 PT/A		PRE	A	0	0	0	3	
OUTLOOK	0.67 PT/A		PRE	A	69	0	0	0	
NORTRON	4 PT/A		PRE	A	78	0	0	10	
PROWL	4.85 PT/A		PRE	A	88	0	0	16	
SPARTAN	6.8 OZ/A		PRE	A	36	0	0	10	
LSD (P=.05)					7.5	0	0	12.2	
Standard Deviation					5	0	0	8.1	
CV					11.05	0	0	125.83	

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPREHTWCVLL2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								POROL
Crop Code					COLLD	MUSGN	TURGN	
Part Rated					PLANT	PLANT	PLANT	WEED
Rating Data Type					INJURY	INJURY	INJURY	CONTROL
Rating Unit					%	%	%	%
Rating Date					7/31/2003	7/31/2003	7/31/2003	7/31/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	12	13	14	15
WEEDY CONTROL					0	0	0	0
DUAL MAGNUM	1.05 PT/A		PRE	A	0	0	0	8
OUTLOOK	0.67 PT/A		PRE	A	0	0	0	40
NORTRON	4 PT/A		PRE	A	9	5	3	30
PROWL	4.85 PT/A		PRE	A	19	11	10	80
SPARTAN	6.8 OZ/A		PRE	A	8	4	9	28
LSD (P=.05)					17.2	5.3	6.8	23.6
Standard Deviation					11.4	3.5	4.5	15.7
CV					196.08	106.07	127.8	50.88

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPREHTWCVLL2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AMAXX			
Crop Code						DILL	CILAN	KALE
Part Rated					WEED	PLANT	PLANT	PLANT
Rating Data Type					CONTROL	INJURY	INJURY	INJURY
Rating Unit					%	%	%	%
Rating Date					7/31/2003	8/19/2003	8/19/2003	8/19/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	16	17	18	19
WEEDY CONTROL					0	0	0	0
DUAL MAGNUM	1.05 PT/A		PRE	A	45	3	3	3
OUTLOOK	0.67 PT/A		PRE	A	70	13	13	13
NORTRON	4 PT/A		PRE	A	6	34	26	25
PROWL	4.85 PT/A		PRE	A	90	15	13	25
SPARTAN	6.8 OZ/A		PRE	A	34	20	23	28
LSD (P=.05)					27.7	26.3	24.3	23.3
Standard Deviation					18.4	17.4	16.1	15.4
CV					45.13	124.87	127	100.2

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPREHTWCVLL2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								POROL
Crop Code					COLLD	MUSGN	TURGN	
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					INJURY	INJURY	INJURY	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/19/2003	8/19/2003	8/19/2003	8/19/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	20	21	22	23
WEEDY CONTROL					0	0	0	0
DUAL MAGNUM	1.05 PT/A		PRE	A	3	3	3	8
OUTLOOK	0.67 PT/A		PRE	A	5	11	11	28
NORTRON	4 PT/A		PRE	A	3	4	4	28
PROWL	4.85 PT/A		PRE	A	9	5	5	41
SPARTAN	6.8 OZ/A		PRE	A	10	13	13	15
LSD (P=.05)					12	13.2	13.2	38.8
Standard Deviation					8	8.7	8.7	25.7
CV					165.99	149.83	149.83	129.96

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPREHTWCVLL2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AMARE	AMABL	AGRASS	
Crop Code								DILL
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					CONTROL	CONTROL	CONTROL	AV.HEIGHT
Rating Unit					%	%	%	CM.
Rating Date					8/19/2003	8/19/2003	8/19/2003	8/28/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	24	25	26	27
WEEDY CONTROL					0	0	0	20
DUAL MAGNUM	1.05 PT/A		PRE	A	25	0	0	27.8
OUTLOOK	0.67 PT/A		PRE	A	25	21	41	31
NORTRON	4 PT/A		PRE	A	0	63	23	20.1
PROWL	4.85 PT/A		PRE	A	58	8	72	27
SPARTAN	6.8 OZ/A		PRE	A	40	35	69	32.8
LSD (P=.05)					63.6	41.7	46.4	14.63
Standard Deviation					42.2	27.7	30.8	9.71
CV					172.45	131.63	90.39	36.73

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPREHTWCVLL2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								
Crop Code					CILAN	KALE	COLLD	MUSGN
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					AV.HEIGHT	AV.HEIGHT	AV.HEIGHT	AV.HEIGHT
Rating Unit					CM.	CM.	CM.	CM.
Rating Date					8/28/2003	8/28/2003	8/28/2003	8/28/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	28	29	30	31
WEEDY CONTROL					38	29.8	26.8	36.5
DUAL MAGNUM	1.05 PT/A		PRE	A	33	33.3	35.3	41.8
OUTLOOK	0.67 PT/A		PRE	A	42	40.3	29.5	44.8
NORTRON	4 PT/A		PRE	A	35.5	41.5	34	48
PROWL	4.85 PT/A		PRE	A	23	37.3	33.8	41
SPARTAN	6.8 OZ/A		PRE	A	34	31	28	40.3
LSD (P=.05)					15.19	8.39	13.87	10.09
Standard Deviation					10.08	5.57	9.21	6.7
CV					29.44	15.68	29.5	15.93

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPREHTWCVLL2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

TURGN	DILL	CILAN	KALE
PLANT	PLANT	PLANT	PLANT
AV.HEIGHT	YIELD/5'	YIELD/5'	YIELD/5'
CM.	LBS.	LBS.	LBS.
8/28/2003	8/28/2003	8/28/2003	8/28/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	32	33	34	35
WEEDY CONTROL					38.3	0	0	1.1
DUAL MAGNUM	1.05 PT/A		PRE	A	41.3	0	0	2.8
OUTLOOK	0.67 PT/A		PRE	A	44.8	0.1	0.2	3.5
NORTRON	4 PT/A		PRE	A	52.5	0.1	0.1	1.5
PROWL	4.85 PT/A		PRE	A	46.8	0.1	0.1	0.8
SPARTAN	6.8 OZ/A		PRE	A	46	0.1	0.1	1.5
LSD (P=.05)					10.56	0.11	0.11	2.58
Standard Deviation					7.01	0.07	0.07	1.71
CV					15.61	130.18	89.07	92.18

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPREHTWCVLL2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								AGRASS
Crop Code					COLLD	MUSGN	TURGN	
Part Rated					PLANT	PLANT	PLANT	WEED
Rating Data Type					YIELD/5'	YIELD/5'	YIELD/5'	WT./PLOT
Rating Unit					LBS.	LBS.	LBS.	LBS.
Rating Date					8/28/2003	8/28/2003	8/28/2003	8/28/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	36	37	38	39
WEEDY CONTROL					0.2	2.6	3.4	0.2
DUAL MAGNUM	1.05 PT/A		PRE	A	0.8	2.6	5.3	0.1
OUTLOOK	0.67 PT/A		PRE	A	0.4	3.6	4.2	0.1
NORTRON	4 PT/A		PRE	A	0.9	3.8	5.3	0.6
PROWL	4.85 PT/A		PRE	A	1.5	4.5	1.8	0.1
SPARTAN	6.8 OZ/A		PRE	A	0.8	3.2	2.8	1.4
LSD (P=.05)					0.85	2.68	2.87	1.27
Standard Deviation					0.57	1.78	1.91	0.85
CV					76.29	52.38	50.14	209.16

The Ohio State University

GREENS & HERBS - PRE HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPREHTWCVLL2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AMABL	AMARE	POROL
Crop Code							
Part Rated					WEED	WEED	WEED
Rating Data Type					WT./PLOT	WT./PLOT	WT./PLOT
Rating Unit					LBS.	LBS.	LBS.
Rating Date					8/28/2003	8/28/2003	8/28/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	40	41	42
WEEDY CONTROL					5.8	1	1
DUAL MAGNUM	1.05 PT/A		PRE	A	2.8	0.3	0.8
OUTLOOK	0.67 PT/A		PRE	A	2.7	0.3	1.1
NORTRON	4 PT/A		PRE	A	4.8	0.2	0.8
PROWL	4.85 PT/A		PRE	A	1.2	1.3	2.7
SPARTAN	6.8 OZ/A		PRE	A	3.4	0.4	0.2
LSD (P=.05)					2.68	1	2.05
Standard Deviation					1.78	0.66	1.36
CV					51.67	118.89	126.37

The Ohio State University

GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPOHTWCVLL2003 Study Dir.: Dr.Douglas J.Doohan and T.Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City: Celeryville	Trial Status: Final
State/Prov.: Ohio	Trial Reliability: Reliable
Postal Code: 44890	Initiation Date: 05/27/03
Country: USA	Planned Completion Date: 12/30/03

Objective: To assess crop tolerance and weed control using various POST herbicide applications.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	POROL	common purslane	<i>Portulaca oleracea L.</i>
2	AMAXX	pigweed species	<i>Amaranth spp.</i>
3	CHEAL	common lambsquarter	<i>Chenopodium album L.</i>

Crop 1: DILL DILL Variety: Dukat
 Planting Date: 06/06/03 Planting Method: CONVENTIONAL
 Rate: 12 SEEDS/FT. Depth: 0.50 IN
 Row Spacing: 12 IN Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 2: KALE KALE Variety: Vates Blue Curled
 Planting Date: 06/06/03 Planting Method: CONVENTIONAL
 Rate: 12 SEEDS/FT. Depth: 0.50 IN
 Row Spacing: 12 IN Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 3: COLL COLLARD Variety: Champion
 Planting Date: 06/06/03 Planting Method: CONVENTIONAL
 Rate: 12 SEEDS/FT. Depth: 0.50 IN
 Row Spacing: 12 IN Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 4: MUSGN MUSTARD GREEN Variety: Savannah
 Planting Date: 06/06/03 Planting Method: CONVENTIONAL
 Rate: 12 SEEDS/FT. Depth: 0.50 IN
 Row Spacing: 12 IN Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 5: TURGN TURNIP GREEN Variety: Alamo
 Planting Date: 06/06/03 Planting Method: CONVENTIONAL
 Rate: 12 SEEDS/FT. Depth: 0.50 IN
 Row Spacing: 12 IN Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 6: CILAN CILANTRO Variety: Santo
 Planting Date: 06/06/03 Planting Method: CONVENTIONAL
 Rate: 12 SEEDS/FT. Depth: 0.50 IN
 Row Spacing: 12 IN Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

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GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 20 FT Reps: 4

Site Type: LEVEL FIELD

Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 64 % OM: 70 Texture: MUCK

% Silt: 31 pH: 5.6 Soil Name: LINWOOD MUCK

% Clay: 5 Fert. Level: HIGH

APPLICATION DESCRIPTION

A

Application Date: 6/28/2003

Time of Day: 10-11AM

Application Method: SPRAY

Application Timing: PRE

Applic. Placement: BDCST.

Air Temp., Unit: 70 F

% Relative Humidity: 50

Wind Velocity, Unit: 3 MPH

Soil Moisture: MOIST

% Cloud Cover: 50

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: DILL POST

Stage Scale: VEGETATIVE

Height, Unit: 6 IN

Crop 2 Code, Stage: KALE POST

Stage Scale: VEGETATIVE

Height, Unit: 8 IN

Crop 3 Code, Stage: COLL POST

Stage Scale: VEGETATIVE

Height, Unit: 8 IN

Crop 4 Code, Stage: MUSGN POST

Stage Scale: VEGETATIVE

Height, Unit: 12 IN

Crop 5 Code, Stage: TURGN POST

Stage Scale: VEGETATIVE

Height, Unit: 12 IN

Crop 6 Code, Stage: CILAN POST

Stage Scale: VEGETATIVE

Height, Unit: 6 IN

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: POROL POST

Stage Scale: 4-8" DIAM

Density, Unit: HIGH .

Weed 2 Code, Stage: AMAXX POST

Stage Scale: 4-8"

Density, Unit: MED .

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GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

Weed 3 Code, Stage: CHEAL POST
Stage Scale: 4-8"
Density, Unit: MED .

APPLICATION EQUIPMENT

A

Appl. Equipment: CO2 BACKP
Operating Pressure: 35
Nozzle Type: FLAT FAN
Nozzle Size: 8002 VS
Nozzle Spacing, Unit: 18 IN
Nozzles/Row: 2
Boom Height, Unit: 18 IN
Ground Speed, Unit: 3.5 MPH
Spray Volume, Unit: 20 GPA

Trial Comments

Plots were 6' wide by 20' long. Each 6' wide plot contained a single 20' long row of each crop. Immediately after seeding, the entire experiment was sprayed with Dual Magnum to provide background PRE weed control. Muck Crops Branch experienced heavy rains this summer, which affected yield and plant growth in reps 3&4. Crop height was recorded pre-harvest and is an average of three plants. Weed control and crop injury ratings used the linear scale where 0= no control / no crop injury, and 100= compleyte control / death of the crop. Weed biomass produced on the entire plot was recorded for each. "ALL CROP" refers to all six crops in general.

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GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPOHTWCVLL2003 Study Dir.: Dr.Douglas J.Doohan and T.Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								
Crop Code					DILL	CILAN	KALE	COLLD
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					INJURY	INJURY	INJURY	INJURY
Rating Unit					%	%	%	%
Rating Date					7/9/2003	7/9/2003	7/9/2003	7/9/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4
WEEDY CONTROL					0	0	0	0
DUAL MAGNUM	1.36 PT/A		POST	B	5	6	5	5
LOROX	16 OZ/A		POST	B	15	14	36	83
OUTLOOK	0.67 PT/A		POST	B	4	6	5	5
NORTRON	4 PT/A		POST	B	11	6	18	39
SPARTAN	6.8 OZ/A		POST	B	30	44	8	13
LSD (P=.05)					14.2	16	13.3	9
Standard Deviation					9.4	10.6	8.8	6
CV					86.89	83.33	74.5	24.86

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GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPOHTWCVLL2003 Study Dir.: Dr.Douglas J.Doohan and T.Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code							POROL	AMAXX
Crop Code					MUSGN	TURGN		
Part Rated					PLANT	PLANT	WEED	WEED
Rating Data Type					INJURY	INJURY	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					7/9/2003	7/9/2003	7/9/2003	7/9/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	5	6	7	8
WEEDY CONTROL					0	0	0	0
DUAL MAGNUM	1.36 PT/A		POST	B	9	6	28	51
LOROX	16 OZ/A		POST	B	93	83	78	89
OUTLOOK	0.67 PT/A		POST	B	8	8	11	53
NORTRON	4 PT/A		POST	B	50	33	92	61
SPARTAN	6.8 OZ/A		POST	B	30	25	48	25
LSD (P=.05)					16.2	14.9	28	54.9
Standard Deviation					10.8	9.9	18.6	36.4
CV					34.24	38.57	43.63	78.26

The Ohio State University

GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPOHTWCVLL2003 Study Dir.: Dr.Douglas J.Doohan and T.Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								
Crop Code					DILL	CILAN	KALE	COLLD
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					INJURY	INJURY	INJURY	INJURY
Rating Unit					%	%	%	%
Rating Date					7/17/2003	7/17/2003	7/17/2003	7/17/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	9	10	11	12
WEEDY CONTROL					0	0	0	0
DUAL MAGNUM	1.36	PT/A	POST	B	8	10	11	10
LOROX	16	OZ/A	POST	B	14	21	58	73
OUTLOOK	0.67	PT/A	POST	B	10	8	14	13
NORTRON	4	PT/A	POST	B	18	15	40	49
SPARTAN	6.8	OZ/A	POST	B	21	40	18	15
LSD (P=.05)					9.4	14	13.9	12.6
Standard Deviation					6.2	9.3	9.2	8.4
CV					53.26	59.37	39.58	31.61

The Ohio State University

GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPOHTWCVLL2003 Study Dir.: Dr.Douglas J.Doohan and T.Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code							POROL	AMAXX
Crop Code					MUSGN	TURGN		
Part Rated					PLANT	PLANT	WEED	WEED
Rating Data Type					INJURY	INJURY	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					7/17/2003	7/17/2003	7/17/2003	7/17/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	13	14	15	16
WEEDY CONTROL					0	0	0	0
DUAL MAGNUM	1.36	PT/A	POST	B	13	11	15	15
LOROX	16	OZ/A	POST	B	94	93	53	89
OUTLOOK	0.67	PT/A	POST	B	13	13	31	35
NORTRON	4	PT/A	POST	B	73	69	97	64
SPARTAN	6.8	OZ/A	POST	B	35	21	43	90
LSD (P=.05)					16.4	15	24.4	33.4
Standard Deviation					10.9	10	16.2	22.2
CV					28.93	28.86	40.79	45.56

The Ohio State University

GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPOHTWCVLL2003 Study Dir.: Dr.Douglas J.Doohan and T.Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								
Crop Code					DILL	CILAN	KALE	COLLD
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					INJURY	INJURY	INJURY	INJURY
Rating Unit					%	%	%	%
Rating Date					7/31/2003	7/31/2003	7/31/2003	7/31/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	17	18	19	20
WEEDY CONTROL					0	0	0	0
DUAL MAGNUM	1.36 PT/A		POST	B	0	5	0	0
LOROX	16 OZ/A		POST	B	0	0	34	43
OUTLOOK	0.67 PT/A		POST	B	1	3	11	4
NORTRON	4 PT/A		POST	B	0	0	35	35
SPARTAN	6.8 OZ/A		POST	B	3	15	0	3
LSD (P=.05)					3.2	8.9	14	13.7
Standard Deviation					2.1	5.9	9.3	9.1
CV					334.66	158.39	69.71	65.15

The Ohio State University

GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPOHTWCVLL2003 Study Dir.: Dr.Douglas J.Doohan and T.Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code							CHEAL	POROL
Crop Code					MUSGN	TURGN		
Part Rated					PLANT	PLANT	WEED	WEED
Rating Data Type					INJURY	INJURY	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					7/31/2003	7/31/2003	7/31/2003	7/31/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	21	22	23	24
WEEDY CONTROL					0	0	0	0
DUAL MAGNUM	1.36 PT/A		POST	B	15	35	95	4
LOROX	16 OZ/A		POST	B	91	78	69	3
OUTLOOK	0.67 PT/A		POST	B	14	14	97	0
NORTRON	4 PT/A		POST	B	73	71	99	94
SPARTAN	6.8 OZ/A		POST	B	19	19	74	6
LSD (P=.05)					17.3	28.5	42.8	7.2
Standard Deviation					11.5	18.9	28.4	4.8
CV					32.55	52.5	39.35	27.07

The Ohio State University

GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPOHTWCVLL2003 Study Dir.: Dr.Douglas J.Doohan and T.Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AMAXX			
Crop Code						DILL	CILAN	KALE
Part Rated					WEED	PLANT	PLANT	PLANT
Rating Data Type					CONTROL	AVG.HT.	AVG.HT.	AVG.HT.
Rating Unit					%	CM.	CM.	CM.
Rating Date					7/31/2003	7/31/2003	7/31/2003	7/31/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	25	26	27	28
WEEDY CONTROL					0	66	65	50
DUAL MAGNUM	1.36 PT/A		POST	B	25	66	48	44
LOROX	16 OZ/A		POST	B	18	62	55	41
OUTLOOK	0.67 PT/A		POST	B	20	62	63	50
NORTRON	4 PT/A		POST	B	18	68	58	40
SPARTAN	6.8 OZ/A		POST	B	74	55	48	48
LSD (P=.05)					49.1	13.4	17.2	13
Standard Deviation					32.6	8.9	11.4	8.6
CV					126.93	14.12	20.36	18.97

The Ohio State University

GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPOHTWCVLL2003 Study Dir.: Dr.Douglas J.Doohan and T.Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								
Crop Code					COLLD	MUSGN	TURGN	DILL
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					AVG.HT.	AVG.HT.	AVG.HT.	YIELD/5'
Rating Unit					CM.	CM.	CM.	LBS.
Rating Date					7/31/2003	7/31/2003	7/31/2003	7/31/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	29	30	31	32
WEEDY CONTROL					45	55	55	0.4
DUAL MAGNUM	1.36 PT/A		POST	B	52	55	53	0.6
LOROX	16 OZ/A		POST	B	34	28	28	0.8
OUTLOOK	0.67 PT/A		POST	B	49	57	55	0.4
NORTRON	4 PT/A		POST	B	36	33	34	1.2
SPARTAN	6.8 OZ/A		POST	B	46	48	48	0.6
LSD (P=.05)					8.2	16.7	12.1	0.45
Standard Deviation					5.5	11.1	8	0.3
CV					12.51	24.26	17.66	43.62

The Ohio State University

GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPOHTWCVLL2003 Study Dir.: Dr.Douglas J.Doohan and T.Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								
Crop Code					CILAN	KALE	COLLD	MUSGN
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					YIELD/5'	YIELD/5'	YIELD/5'	YIELD/5'
Rating Unit					LBS.	LBS.	LBS.	LBS.
Rating Date					7/31/2003	7/31/2003	7/31/2003	7/31/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	33	34	35	36
WEEDY CONTROL					1	4	0.6	5.4
DUAL MAGNUM	1.36 PT/A		POST	B	1.1	4.7	0.9	5.5
LOROX	16 OZ/A		POST	B	1	3.8	0.7	0.3
OUTLOOK	0.67 PT/A		POST	B	0.6	3.6	0.9	4.4
NORTRON	4 PT/A		POST	B	1.7	3.3	1	1.7
SPARTAN	6.8 OZ/A		POST	B	0.8	4.2	1.6	4.2
LSD (P=.05)					0.76	1.66	0.82	2.52
Standard Deviation					0.51	1.1	0.55	1.67
CV					49.26	28.35	57.44	46.8

The Ohio State University

GREENS & HERBS - POST HERBICIDE TOLERANCE & WEED CONTROL

Trial ID: G&HPOHTWCVLL2003 Study Dir.: Dr.Douglas J.Doohan and T.Koch

Location: Celeryville, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code						POROL	AMAXX	CHEAL
Crop Code					TURGN			
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					YIELD/5'	WT./PLOT	WT./PLOT	WT./PLOT
Rating Unit					LBS.	LBS.	LBS.	LBS.
Rating Date					7/31/2003	7/31/2003	7/31/2003	7/31/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	37	38	39	40
WEEDY CONTROL					9.4	9.5	0.1	0
DUAL MAGNUM	1.36 PT/A		POST	B	10.6	8.2	0	0.1
LOROX	16 OZ/A		POST	B	1.8	8	0	0.4
OUTLOOK	0.67 PT/A		POST	B	10.8	9.5	0	0.1
NORTRON	4 PT/A		POST	B	3.6	3	0	0.4
SPARTAN	6.8 OZ/A		POST	B	7.4	6.3	0	0
LSD (P=.05)					4.34	3.21	0.12	0.74
Standard Deviation					2.88	2.13	0.08	0.49
CV					39.62	28.8	489.9	308.69

The Ohio State University

PEPPERS - TOLERANCE OF JALEPEN0 AND BANANA PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City: Fremont	Trial Status: Final
State/Prov.: Ohio	Trial Reliability: Reliable
Postal Code: 43420	Initiation Date: 06/17/03
Country: USA	Planned Completion Date: 12/30/03

Objective: To evaluate phytotoxicity of herbicide treatments to three types of commercial field peppers.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	CHEAL	common lambsquarter	<i>Chenopodium album L.</i>
2	POROL	common purslane	<i>Portulaca oleracea L.</i>
3	AMAXX	pigweed species	<i>Amaranth spp.</i>
4	AGRASS	foxtail, crabgrass spp.	<i>Setaria, Digitaria spp.</i>

Crop 1: CPSAN BANANA PEPPER Variety: PAGEANT, SWEET SPOT

Planting Date: 06/17/03 Planting Method: CONVENTIONAL

Rate: 12 IN. IN ROW Depth: 2 IN

Row Spacing: 30 IN. Seed Bed: CONVENTIONAL

Soil Moisture: MOIST

Crop 2: CPSAN JALAPENO PEPPER Variety: IXTAPA, SAYULA

Planting Date: 06/17/03 Planting Method: CONVENTIONAL

Rate: 12 IN. IN ROW Depth: 2 IN

Row Spacing: 30 IN. Seed Bed: CONVENTIONAL

Soil Moisture: MOIST

SITE AND DESIGN

Plot Width, Unit: 5 FT Plot Length, Unit: 60 FT Reps: 4

Site Type: SILT LOAM

Tillage Type: CONVENTIONAL Study Design: SPLIT-PLOT

SOIL DESCRIPTION

% Sand: 20 % OM: 4.4 Texture: SILTY CLAY LOAM

% Silt: 41 pH: 6.6 Soil Name: HOYTVILLE

% Clay: 39 CEC: 27 Fert. Level: MODERATE

The Ohio State University

PEPPERS - TOLERANCE OF JALEPEN0 AND BANANA PEPPERS TO DUAL MAGNUM AND COMMAND

APPLICATION DESCRIPTION

	A	B
Application Date:	6/17/2003	6/23/2003
Time of Day:	10-11 AM	11-12 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PRETP	POSTP
Applic. Placement:	BROADCAST	BROADCAST
Air Temp., Unit:	70 F	69 F
% Relative Humidity:	80	50
Wind Velocity, Unit:	2 MPH	3 MPH
Soil Moisture:	MOIST	MOIST
% Cloud Cover:	50	50

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	CPSAN PRE	CPSAN POST
Stage Scale:	.	VEGET.
Height, Unit:	0. .	12 INCH
Crop 2 Code, Stage:	CPSAN PRE	CPSAN POST
Stage Scale:	.	VEGET.
Height, Unit:	0. .	12 INCH

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	CHEAL PRETP	CHEAL POSTP
Stage Scale:	.	4-8" TALL
Density, Unit:	. .	MED .
Weed 2 Code, Stage:	POROL PRETP	POROL POSTP
Stage Scale:	.	1-3" TALL
Density, Unit:	. .	MED .
Weed 3 Code, Stage:	AMAXX PRETP	AMAXX POSTP
Stage Scale:	.	2-4" TALL
Density, Unit:	. .	MED .
Weed 4 Code, Stage:	AGRAS PRETP	AGRAS POSTP
Stage Scale:	.	2-8" TALL
Density, Unit:	. .	MED .

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 BACKP	CO2 BACKP
Operating Pressure:	35 PSI	35 PSI
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8002VS	8002VS
Nozzle Spacing, Unit:	12 IN.	12 IN.
Band Width, Unit:	5 FT.	5 FT.
Boom Height, Unit:	18 IN.	18 IN.
Ground Speed, Unit:	4 MPH	4 MPH
Spray Volume, Unit:	20 GPA	20 GPA

The Ohio State University

PEPPERS - TOLERANCE OF JALEPEN0 AND BANANA PEPPERS TO DUAL MAGNUM AND COMMAND

Trial Comments

The main purpose of this trial was to document tolerance of peppers to POST herbicides that have potential for registration. Goal and Command were applied PRE TRANSPLANT. Goal needs to be reevaluated at lower rates (3 oz/A provides significant control of small weeds). Spartan and Dual Magnum were applied POST - OVER THE TOP. Spartan is not currently being considered for use in this manner but the crop recovered remarkably well to this treatment. It should be evaluated in tank-mix combinations with Command as a PRE TRANSPLANT treatment.

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN

CPSAN

CPSAN

CPSAN

PLANT

PLANT

PLANT

PLANT

INJURY

STUNT

CHLOROSIS

CHLOROSIS

%

%

%

%

7/3/2003

7/3/2003

7/3/2003

7/17/2003

Treatment

Product

Product

Grow

Appl

Name

Rate

Rate Unit

Stg

Code

1

2

3

8

IXTAPA

HAND-WEEDED CONTROL

0

0

0

0

IXTAPA

WEEDY CONTROL

0

0

0

0

IXTAPA

COMMAND

2 PT/A

PRETP A

6

6

0

0

IXTAPA

COMMAND

4 PT/A

PRETP A

18

16

3

0

IXTAPA

GOAL

2 PT/A

PRETP A

30

26

6

0

IXTAPA

GOAL

4 PT/A

PRETP A

44

41

3

0

IXTAPA

DUAL II MAGNUM

1 PT/A

6DPOTF B

36

31

10

0

IXTAPA

DUAL II MAGNUM

2 PT/A

6DPOTF B

28

24

5

0

IXTAPA

SPARTAN

3.2 OZ/A

6DPOTF B

63

50

26

0

IXTAPA

SPARTAN

6.4 OZ/A

6DPOTF B

63

55

30

0

PAGEANT

HAND-WEEDED CONTROL

0

0

0

0

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN

CPSAN

CPSAN

CPSAN

PLANT

PLANT

PLANT

PLANT

INJURY

STUNT

CHLOROSIS

CHLOROSIS

%

%

%

%

7/3/2003

7/3/2003

7/3/2003

7/17/2003

Treatment

Product

Product

Grow

Appl

Name

Rate

Rate Unit

Stg

Code

1

2

3

8

PAGEANT

WEEDY CONTROL

0

0

0

0

PAGEANT

COMMAND

2 PT/A

PRETP A

9

5

5

0

PAGEANT

COMMAND

4 PT/A

PRETP A

33

23

26

0

PAGEANT

GOAL

2 PT/A

PRETP A

43

40

24

0

PAGEANT

GOAL

4 PT/A

PRETP A

41

30

33

0

PAGEANT

DUAL II MAGNUM

1 PT/A

6DPOTF B

25

20

18

0

PAGEANT

DUAL II MAGNUM

2 PT/A

6DPOTF B

39

36

19

0

PAGEANT

SPARTAN

3.2 OZ/A

6DPOTF B

68

66

54

0

PAGEANT

SPARTAN

6.4 OZ/A

6DPOTF B

83

80

65

0

SAYULA

HAND-WEEDED CONTROL

0

0

0

0

SAYULA

WEEDY CONTROL

0

0

0

0

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN

CPSAN

CPSAN

CPSAN

PLANT

PLANT

PLANT

PLANT

INJURY

STUNT

CHLOROSIS

CHLOROSIS

%

%

%

%

7/3/2003

7/3/2003

7/3/2003

7/17/2003

Treatment

Product

Product

Grow

Appl

Name

Rate

Rate Unit

Stg

Code

1

2

3

8

SAYULA

COMMAND

2 PT/A

PRETP A

6

6

1

0

SAYULA

COMMAND

4 PT/A

PRETP A

28

10

6

0

SAYULA

GOAL

2 PT/A

PRETP A

25

21

6

0

SAYULA

GOAL

4 PT/A

PRETP A

16

15

9

0

SAYULA

DUAL II MAGNUM

1 PT/A

6DPOTF B

9

9

10

0

SAYULA

DUAL II MAGNUM

2 PT/A

6DPOTF B

25

25

6

0

SAYULA

SPARTAN

3.2 OZ/A

6DPOTF B

50

44

30

0

SAYULA

SPARTAN

6.4 OZ/A

6DPOTF B

44

43

31

0

SWEET SPOT

HAND-WEEDED CONTROL

0

0

0

0

SWEET SPOT

WEEDY CONTROL

0

0

0

0

SWEET SPOT

COMMAND

2 PT/A

PRETP A

4

3

4

0

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J.
Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN	CPSAN	CPSAN	CPSAN
PLANT	PLANT	PLANT	PLANT
INJURY	STUNT	CHLOROSIS	CHLOROSIS
%	%	%	%
7/3/2003	7/3/2003	7/3/2003	7/17/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	8
SWEET SPOT COMMAND	4 PT/A		PRETP	A	13	13	14	0
SWEET SPOT GOAL	2 PT/A		PRETP	A	29	29	21	0
SWEET SPOT GOAL	4 PT/A		PRETP	A	13	13	16	0
SWEET SPOT DUAL II MAGNUM	1 PT/A		6DPOTF	B	24	24	14	0
SWEET SPOT DUAL II MAGNUM	2 PT/A		6DPOTF	B	35	35	15	0
SWEET SPOT SPARTAN	3.2 OZ/A		6DPOTF	B	63	63	39	0
SWEET SPOT SPARTAN	6.4 OZ/A		6DPOTF	B	76	76	38	0
LSD (P=.05)					30.1	28.9	20.2	0
Standard Deviation					21.5	20.6	14.4	0
CV					79.35	84.59	98.76	0

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J.
Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN	CPSAN	CPSAN	CPSAN
PLANT	PLANT	PLANT	PLANT
STUNT	INJURY	CHLOROSIS	STUNT
%	%	%	%
7/17/2003	7/17/2003	8/4/2003	8/4/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	9	10	11	12
IXTAPA HAND-WEEDED CONTROL					0	0	0	0
IXTAPA WEEDY CONTROL					0	0	0	0
IXTAPA COMMAND	2 PT/A		PRETP	A	3	3	0	0
IXTAPA COMMAND	4 PT/A		PRETP	A	4	4	0	0
IXTAPA GOAL	2 PT/A		PRETP	A	33	31	0	25
IXTAPA GOAL	4 PT/A		PRETP	A	70	70	0	64
IXTAPA DUAL II MAGNUM	1 PT/A		6DPOTF	B	8	8	0	5
IXTAPA DUAL II MAGNUM	2 PT/A		6DPOTF	B	6	5	0	0
IXTAPA SPARTAN	3.2 OZ/A		6DPOTF	B	31	28	0	3
IXTAPA SPARTAN	6.4 OZ/A		6DPOTF	B	65	65	0	53
PAGEANT HAND-WEEDED CONTROL					0	0	0	0

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN	CPSAN	CPSAN	CPSAN
PLANT	PLANT	PLANT	PLANT
STUNT	INJURY	CHLOROSIS	STUNT
%	%	%	%
7/17/2003	7/17/2003	8/4/2003	8/4/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	9	10	11	12
PAGEANT WEEDY CONTROL					0	0	0	0
PAGEANT COMMAND	2 PT/A		PRETP	A	4	4	0	0
PAGEANT COMMAND	4 PT/A		PRETP	A	8	8	0	1
PAGEANT GOAL	2 PT/A		PRETP	A	30	30	0	24
PAGEANT GOAL	4 PT/A		PRETP	A	80	80	0	55
PAGEANT DUAL II MAGNUM	1 PT/A		6DPOTF	B	6	5	0	4
PAGEANT DUAL II MAGNUM	2 PT/A		6DPOTF	B	4	3	0	3
PAGEANT SPARTAN	3.2 OZ/A		6DPOTF	B	56	56	0	48
PAGEANT SPARTAN	6.4 OZ/A		6DPOTF	B	80	80	0	71
SAYULA HAND-WEEDED CONTROL					0	0	0	0
SAYULA WEEDY CONTROL					0	0	0	0

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J.
Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN	CPSAN	CPSAN	CPSAN
PLANT	PLANT	PLANT	PLANT
STUNT	INJURY	CHLOROSIS	STUNT
%	%	%	%
7/17/2003	7/17/2003	8/4/2003	8/4/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	9	10	11	12
SAYULA COMMAND	2 PT/A		PRETP	A	3	3	0	3
SAYULA COMMAND	4 PT/A		PRETP	A	4	3	0	1
SAYULA GOAL	2 PT/A		PRETP	A	24	24	0	21
SAYULA GOAL	4 PT/A		PRETP	A	59	51	0	56
SAYULA DUAL II MAGNUM	1 PT/A		6DPOTF	B	6	6	0	6
SAYULA DUAL II MAGNUM	2 PT/A		6DPOTF	B	1	1	0	14
SAYULA SPARTAN	3.2 OZ/A		6DPOTF	B	36	36	0	20
SAYULA SPARTAN	6.4 OZ/A		6DPOTF	B	63	63	0	53
SWEET SPOT HAND-WEEDED CONTROL					0	0	0	0
SWEET SPOT WEEDY CONTROL					0	0	0	0
SWEET SPOT COMMAND	2 PT/A		PRETP	A	3	3	0	0

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J.
Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN	CPSAN	CPSAN	CPSAN
PLANT	PLANT	PLANT	PLANT
STUNT	INJURY	CHLOROSIS	STUNT
%	%	%	%
7/17/2003	7/17/2003	8/4/2003	8/4/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	9	10	11	12
SWEET SPOT COMMAND	4 PT/A		PRETP	A	3	3	0	4
SWEET SPOT GOAL	2 PT/A		PRETP	A	24	24	0	19
SWEET SPOT GOAL	4 PT/A		PRETP	A	46	46	0	35
SWEET SPOT DUAL II MAGNUM	1 PT/A		6DPOTF	B	4	4	0	5
SWEET SPOT DUAL II MAGNUM	2 PT/A		6DPOTF	B	1	1	0	0
SWEET SPOT SPARTAN	3.2 OZ/A		6DPOTF	B	46	46	0	38
SWEET SPOT SPARTAN	6.4 OZ/A		6DPOTF	B	70	70	0	64
LSD (P=.05)					17.2	18.6	0	17.1
Standard Deviation					12.3	13.3	0	12.2
CV					56.06	61.96	0	70.8

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN

CPSAN

CPSAN

CPSAN

PLANT

PLANT

FRUIT

FRUIT

INJURY

NO. PLANTS

MKTB. FRUIT

MKTB. WT.

%

PER PLOT

PER PLOT

KG./PLOT

8/4/2003

8/18/2003

8/18/2003

8/18/2003

Treatment

Product

Product

Grow

Appl

Name

Rate

Rate Unit

Stg

Code

13

14

15

16

IXTAPA

HAND-WEEDED CONTROL

0

4

0

0

IXTAPA

WEEDY CONTROL

0

4

0

0

IXTAPA

COMMAND

2 PT/A

PRETP A

0

4

5

0.2

IXTAPA

COMMAND

4 PT/A

PRETP A

0

4

11

0.4

IXTAPA

GOAL

2 PT/A

PRETP A

25

4

15

0.5

IXTAPA

GOAL

4 PT/A

PRETP A

64

4

3

0.1

IXTAPA

DUAL II MAGNUM

1 PT/A

6DPOTF B

5

4

15

0.5

IXTAPA

DUAL II MAGNUM

2 PT/A

6DPOTF B

0

4

9

0.3

IXTAPA

SPARTAN

3.2 OZ/A

6DPOTF B

3

4

0

0

IXTAPA

SPARTAN

6.4 OZ/A

6DPOTF B

53

4

0

0

PAGEANT

HAND-WEEDED CONTROL

0

4

8

0.3

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					CPSAN	CPSAN	CPSAN	CPSAN
Crop Code					PLANT	PLANT	FRUIT	FRUIT
Part Rated					INJURY	NO. PLANTS	MKTB. FRUIT	MKTB. WT.
Rating Data Type					%	PER PLOT	PER PLOT	KG./PLOT
Rating Unit								
Rating Date					8/4/2003	8/18/2003	8/18/2003	8/18/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16
PAGEANT WEEDY CONTROL					0	4	1	0.1
PAGEANT COMMAND	2 PT/A		PRETP	A	0	4	17	0.8
PAGEANT COMMAND	4 PT/A		PRETP	A	1	4	15	0.7
PAGEANT GOAL	2 PT/A		PRETP	A	24	4	12	0.6
PAGEANT GOAL	4 PT/A		PRETP	A	55	4	5	0.2
PAGEANT DUAL II MAGNUM	1 PT/A		6DPOTF	B	4	4	12	0.5
PAGEANT DUAL II MAGNUM	2 PT/A		6DPOTF	B	3	4	15	0.3
PAGEANT SPARTAN	3.2 OZ/A		6DPOTF	B	48	4	4	0.1
PAGEANT SPARTAN	6.4 OZ/A		6DPOTF	B	71	4	1	0
SAYULA HAND-WEEDED CONTROL					0	4		
SAYULA WEEDY CONTROL					0	4	2	0.1

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J.
Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN

CPSAN

CPSAN

CPSAN

PLANT

PLANT

FRUIT

FRUIT

INJURY

NO. PLANTS

MKTB. FRUIT

MKTB. WT.

%

PER PLOT

PER PLOT

KG./PLOT

8/4/2003

8/18/2003

8/18/2003

8/18/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16
SAYULA					3	4		
COMMAND	2 PT/A		PRETP	A				
SAYULA					1	4		
COMMAND	4 PT/A		PRETP	A				
SAYULA					21	4		
GOAL	2 PT/A		PRETP	A				
SAYULA					169	4		
GOAL	4 PT/A		PRETP	A				
SAYULA					6	4		
DUAL II MAGNUM	1 PT/A		6DPOTF	B				
SAYULA					14	4		
DUAL II MAGNUM	2 PT/A		6DPOTF	B				
SAYULA					20	4		
SPARTAN	3.2 OZ/A		6DPOTF	B				
SAYULA					53	4		
SPARTAN	6.4 OZ/A		6DPOTF	B				
SWEET SPOT					0	4	0	0
HAND-WEEDED CONTROL								
SWEET SPOT					0	4	0	0
WEEDY CONTROL								
SWEET SPOT					0	4	1	0.1
COMMAND	2 PT/A		PRETP	A				

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J.
Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN

CPSAN

CPSAN

CPSAN

PLANT

PLANT

FRUIT

FRUIT

INJURY

NO. PLANTS

MKTB. FRUIT

MKTB. WT.

%

PER PLOT

PER PLOT

KG./PLOT

8/4/2003

8/18/2003

8/18/2003

8/18/2003

Treatment

Product

Product

Grow

Appl

Name

Rate

Rate Unit

Stg

Code

13

14

15

16

SWEET SPOT

COMMAND

4 PT/A

PRETP A

4

4

0

0

SWEET SPOT

GOAL

2 PT/A

PRETP A

19

4

1

0

SWEET SPOT

GOAL

4 PT/A

PRETP A

35

4

2

0.1

SWEET SPOT

DUAL II MAGNUM

1 PT/A

6DPOTF B

5

4

4

0.2

SWEET SPOT

DUAL II MAGNUM

2 PT/A

6DPOTF B

0

4

3

0.1

SWEET SPOT

SPARTAN

3.2 OZ/A

6DPOTF B

38

4

0

0

SWEET SPOT

SPARTAN

6.4 OZ/A

6DPOTF B

64

4

0

0

LSD (P=.05)

52.3

0.3

10.2

0.39

Standard Deviation

37.3

0.2

7.2

0.27

CV

185.77

5.71

136.25

134.99

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					CPSAN	CPSAN	CPSAN	CPSAN
					FRUIT	FRUIT	FRUIT	FRUIT
					MKTB.NO.	MKTB. WT.	MKTB. WT.	MKTB. WT.
					PER PLOT	KG./PLOT	LB./PLOT	TONS/A.
					8/28/2003	8/28/2003	9/16/2003	8/18/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	17	18	21	26
IXTAPA					56	1.4	2.3	0
HAND-WEEDED CONTROL								
IXTAPA					9	0.3	0.3	0
WEEDY CONTROL								
IXTAPA					56	1.7	2.4	0.1
COMMAND	2 PT/A		PRETP	A				
IXTAPA					42	1.8	3.3	0.3
COMMAND	4 PT/A		PRETP	A				
IXTAPA					61	1.9	3	0.3
GOAL	2 PT/A		PRETP	A				
IXTAPA					35	1.1	1.8	0.1
GOAL	4 PT/A		PRETP	A				
IXTAPA					60	1.9	2.7	0.3
DUAL II MAGNUM	1 PT/A		6DPOTF	B				
IXTAPA					59	1.9	2.3	0.2
DUAL II MAGNUM	2 PT/A		6DPOTF	B				
IXTAPA					37	1.8	2.6	0
SPARTAN	3.2 OZ/A		6DPOTF	B				
IXTAPA					39	1	2.1	0
SPARTAN	6.4 OZ/A		6DPOTF	B				
PAGEANT					12	0.6	2.9	0.2
HAND-WEEDED CONTROL								

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN	CPSAN	CPSAN	CPSAN
FRUIT	FRUIT	FRUIT	FRUIT
MKTB.NO.	MKTB. WT.	MKTB. WT.	MKTB. WT.
PER PLOT	KG./PLOT	LB./PLOT	TONS/A.
8/28/2003	8/28/2003	9/16/2003	8/18/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	17	18	21	26
PAGEANT WEEDY CONTROL					2	0.3	0.2	0
PAGEANT COMMAND	2 PT/A		PRETP	A	24	1.3	4.2	0.5
PAGEANT COMMAND	4 PT/A		PRETP	A	29	1.3	4.3	0.4
PAGEANT GOAL	2 PT/A		PRETP	A	28	1.4	3.5	0.4
PAGEANT GOAL	4 PT/A		PRETP	A	11	0.6	3.4	0.1
PAGEANT DUAL II MAGNUM	1 PT/A		6DPOTF	B	24	1.1	3.6	0.3
PAGEANT DUAL II MAGNUM	2 PT/A		6DPOTF	B	20	1	4	0.2
PAGEANT SPARTAN	3.2 OZ/A		6DPOTF	B	23	1	1.9	0.1
PAGEANT SPARTAN	6.4 OZ/A		6DPOTF	B	12	0.5	1.9	0
SAYULA HAND-WEEDED CONTROL					35	0.8	2.6	
SAYULA WEEDY CONTROL					8	0.1	0.1	0.1

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J.
Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

	CPSAN	CPSAN	CPSAN	CPSAN
	FRUIT	FRUIT	FRUIT	FRUIT
	MKTB.NO.	MKTB. WT.	MKTB. WT.	MKTB. WT.
	PER PLOT	KG./PLOT	LB./PLOT	TONS/A.
	8/28/2003	8/28/2003	9/16/2003	8/18/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	17	18	21	26
SAYULA					52	1.2	3.7	
COMMAND	2 PT/A		PRETP	A				
SAYULA					57	1.3	5.3	
COMMAND	4 PT/A		PRETP	A				
SAYULA					55	1.6	1.7	
GOAL	2 PT/A		PRETP	A				
SAYULA					42	1	1.9	
GOAL	4 PT/A		PRETP	A				
SAYULA					42	1	3.7	
DUAL II MAGNUM	1 PT/A		6DPOTF	B				
SAYULA					40	1	2.6	
DUAL II MAGNUM	2 PT/A		6DPOTF	B				
SAYULA					77	1.7	2.4	
SPARTAN	3.2 OZ/A		6DPOTF	B				
SAYULA					34	0.8	3.7	
SPARTAN	6.4 OZ/A		6DPOTF	B				
SWEET SPOT					17	0.6	2.1	0
HAND-WEEDED CONTROL								
SWEET SPOT					3	0.1	0.1	0
WEEDY CONTROL								
SWEET SPOT					28	0.8	2.9	0
COMMAND	2 PT/A		PRETP	A				

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J.
Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					CPSAN FRUIT MKTB.NO. PER PLOT 8/28/2003	CPSAN FRUIT MKTB. WT. KG./PLOT 8/28/2003	CPSAN FRUIT MKTB. WT. LB./PLOT 9/16/2003	CPSAN FRUIT MKTB. WT. TONS/A. 8/18/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	17	18	21	26
SWEET SPOT COMMAND	4	PT/A	PRETP	A	39	1.6	3.3	0
SWEET SPOT GOAL	2	PT/A	PRETP	A	44	1.7	2.3	0
SWEET SPOT GOAL	4	PT/A	PRETP	A	32	1.2	2.9	0.1
SWEET SPOT DUAL II MAGNUM	1	PT/A	6DPOTF	B	34	1.3	3.1	0.1
SWEET SPOT DUAL II MAGNUM	2	PT/A	6DPOTF	B	33	1.3	2.4	0.1
SWEET SPOT SPARTAN	3.2	OZ/A	6DPOTF	B	16	0.6	2.8	0
SWEET SPOT SPARTAN	6.4	OZ/A	6DPOTF	B	18	0.7	0.5	0
LSD (P=.05)					22.6	0.75	2.24	0.25
Standard Deviation					16.2	0.53	1.6	0.17
CV					48.26	48.34	61.87	134.99

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN	CPSAN	CPSAN
FRUIT	FRUIT	FRUIT
MKTB. WT.	MKTB. WT.	TOTAL YLD.
TONS/A.	TONS/A.	TONS/A.
8/28/2003	9/16/2003	9/16/2003

Treatment	Product	Product	Grow	Appl			
Name	Rate	Rate Unit	Stg	Code	27	28	29

IXTAPA					0.9	0.7	1.6
HAND-WEEDED CONTROL							

IXTAPA					0.2	0.1	0.3
WEEDY CONTROL							

IXTAPA					1.1	0.7	1.8
COMMAND	2 PT/A		PRETP	A			

IXTAPA					1.2	1	2.2
COMMAND	4 PT/A		PRETP	A			

IXTAPA					1.2	0.9	2.2
GOAL	2 PT/A		PRETP	A			

IXTAPA					0.7	0.5	1.3
GOAL	4 PT/A		PRETP	A			

IXTAPA					1.2	0.8	2.1
DUAL II MAGNUM	1 PT/A		6DPOTF	B			

IXTAPA					1.2	0.7	1.9
DUAL II MAGNUM	2 PT/A		6DPOTF	B			

IXTAPA					1.1	0.7	1.5
SPARTAN	3.2 OZ/A		6DPOTF	B			

IXTAPA					0.6	0.6	1.2
SPARTAN	6.4 OZ/A		6DPOTF	B			

PAGEANT					0.4	0.8	1.4
HAND-WEEDED CONTROL							

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J.
Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					CPSAN	CPSAN	CPSAN
Crop Code					FRUIT	FRUIT	FRUIT
Part Rated					MKTB. WT.	MKTB. WT.	TOTAL YLD.
Rating Data Type					TONS/A.	TONS/A.	TONS/A.
Rating Unit					8/28/2003	9/16/2003	9/16/2003
Rating Date							
Treatment	Product	Product	Grow	Appl			
Name	Rate	Rate Unit	Stg	Code	27	28	29
PAGEANT					0.2	0.1	0.3
WEEDY CONTROL							
PAGEANT					0.8	1.2	2.1
COMMAND	2 PT/A		PRETP	A			
PAGEANT					0.8	1.2	2.5
COMMAND	4 PT/A		PRETP	A			
PAGEANT					0.9	1	2.3
GOAL	2 PT/A		PRETP	A			
PAGEANT					0.4	1	1.5
GOAL	4 PT/A		PRETP	A			
PAGEANT					0.7	1.1	2.1
DUAL II MAGNUM	1 PT/A		6DPOTF	B			
PAGEANT					0.6	1.2	1.9
DUAL II MAGNUM	2 PT/A		6DPOTF	B			
PAGEANT					0.7	0.6	1.3
SPARTAN	3.2 OZ/A		6DPOTF	B			
PAGEANT					0.3	0.5	0.9
SPARTAN	6.4 OZ/A		6DPOTF	B			
SAYULA					0.5	0.8	1
HAND-WEEDED CONTROL							
SAYULA					0.1	0	0.1
WEEDY CONTROL							

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN	CPSAN	CPSAN
FRUIT	FRUIT	FRUIT
MKTB. WT.	MKTB. WT.	TOTAL YLD.
TONS/A.	TONS/A.	TONS/A.
8/28/2003	9/16/2003	9/16/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	27	28	29
SAYULA					0.8	1.1	1.9
COMMAND	2 PT/A		PRETP	A			
SAYULA					0.9	1.5	1.8
COMMAND	4 PT/A		PRETP	A			
SAYULA					1.1	0.5	1.2
GOAL	2 PT/A		PRETP	A			
SAYULA					0.6	0.6	1
GOAL	4 PT/A		PRETP	A			
SAYULA					0.7	1.1	1.3
DUAL II MAGNUM	1 PT/A		6DPOTF	B			
SAYULA					0.6	0.8	1.1
DUAL II MAGNUM	2 PT/A		6DPOTF	B			
SAYULA					1.1	0.7	1.4
SPARTAN	3.2 OZ/A		6DPOTF	B			
SAYULA					0.5	1.1	1.3
SPARTAN	6.4 OZ/A		6DPOTF	B			
SWEET SPOT					0.4	0.6	1
HAND-WEEDED CONTROL							
SWEET SPOT					0.1	0	0.1
WEEDY CONTROL							
SWEET SPOT					0.5	0.8	1.4
COMMAND	2 PT/A		PRETP	A			

The Ohio State University

PEPPERS - TOLERANCE OF BELL AND CHERRY PEPPERS TO DUAL MAGNUM AND COMMAND

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J.
Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN	CPSAN	CPSAN
FRUIT	FRUIT	FRUIT
MKTB. WT.	MKTB. WT.	TOTAL YLD.
TONS/A.	TONS/A.	TONS/A.
8/28/2003	9/16/2003	9/16/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	27	28	29
SWEET SPOT					1	1	2
COMMAND	4 PT/A		PRETP	A			
SWEET SPOT					1.1	0.7	1.8
GOAL	2 PT/A		PRETP	A			
SWEET SPOT					0.8	0.9	1.7
GOAL	4 PT/A		PRETP	A			
SWEET SPOT					0.9	0.9	1.9
DUAL II MAGNUM	1 PT/A		6DPOTF	B			
SWEET SPOT					0.8	0.7	1.6
DUAL II MAGNUM	2 PT/A		6DPOTF	B			
SWEET SPOT					0.4	0.8	1.2
SPARTAN	3.2 OZ/A		6DPOTF	B			
SWEET SPOT					0.4	0.2	0.6
SPARTAN	6.4 OZ/A		6DPOTF	B			
LSD (P=.05)					0.48	0.65	0.94
Standard Deviation					0.34	0.46	0.67
CV					48.34	61.87	46.64

The Ohio State University

PEPPERS - HERBICIDE CONTROL ACROSS VARIETIES

Trial ID: PEPTBJDMPRFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AGRASS	CHEAL	AMAXX	POROL
Crop Code					CPSAN	CPSAN	CPSAN	CPSAN
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					7/3/2003	7/3/2003	7/3/2003	7/3/2003

Treatment	Prod.	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	4	5	6	7

HAND-WEEDED CONTROL					99	99	99	99
WEEDY CONTROL					0	0	0	0
COMMAND	2 PT/A		PRETP	A	93	89	77	59
COMMAND	4 PT/A		PRETP	A	98	99	88	91
GOAL	2 PT/A		PRETP	A	98	96	99	89
GOAL	4 PT/A		PRETP	A	99	97	99	96
DUAL II MAGNUM	1 PT/A		6DPOTP	B	99	86	97	71
DUAL II MAGNUM	2 PT/A		6DPOTP	B	99	96	98	61
SPARTAN	3.2 OZ/A		6DPOTP	B	99	97	99	86
SPARTAN	6.4 OZ/A		6DPOTP	B	98	99	98	91

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City: Wooster	Trial Status: Final
State/Prov.: Ohio	Trial Reliability: Reliable
Postal Code: 44691	Initiation Date: 05/02/03
Country: USA	Planned Completion Date: 12/30/03

Objective: To evaluate relative effectiveness of cultivation, (with or without herbicide), at zero, fifteen, thirty, and sixty percent emergence for control of common lambsquarter and to evaluate prediction accuracy of " WEEDCAST " for this species in Indiana, Ohio, and Pennsylvania.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	CHEAL	common lambsquarter	<i>Chenopodium album</i> L.
2	AMBEL	common ragweed	<i>Ambrosia artemisiifolia</i> L.
3	AMBTR	giant ragweed	<i>Ambrosia trifida</i> L.
4	AGRASS	foxtail and crabgrass spp.	<i>Setaria</i> spp., <i>Digitaria</i> spp.
5	POLPY	Pennsylvania smartweed	<i>Polygonum pensylvanicum</i> L.
6	CYPES	yellow nutsedge	<i>Cyperus esculentus</i> L.
7	OXAST	yellow woodsorrel	<i>Oxalis stricta</i> L.
8	TAROF	common dandelion	<i>Taraxacum officinale</i> (Weber in Wiggers)
9	CAPBP	shepherd's-purse	<i>Capsella bursa-pastoris</i> (L.) Medicus
10	ACCVI	Virginia copperleaf	<i>Acalypha virginica</i> L.
11	ABUTH	velvetleaf	<i>Abutilon theophrasti</i> Medicus
12	RUMOB	broadleaf dock	<i>Rumex obtusifolius</i> L.
13	VERAR	corn speedwell	<i>Veronica arvensis</i> L.

Crop 1: SOLTU POTATO Variety: SNOWDEN
 Planting Date: 05/02/03 Planting Method: CONVENTIONAL
 Rate: 15 CWT./A. Depth: 3 IN 3
 Row Spacing: 3.5 FEET Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST Emergence Date: 06/02/03

SITE AND DESIGN

Plot Width, Unit: 25 FT Plot Length, Unit: 20 FT Reps: 4
 Site Type: LEVEL FIELD
 Tillage Type: CONVENTIONAL Study Design: SPLIT-PLOT

SOIL DESCRIPTION

% Sand: 16 % OM: 3 Texture: SILT LOAM
 % Silt: 72 pH: 6.8 Soil Name: WOOSTER SILT LOAM
 % Clay: 12 CEC: 14 Fert. Level: MODERATE

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

APPLICATION DESCRIPTION

A

Application Date: 5/7/2003
 Time of Day: 9-10 AM
 Application Method: SPRAY
 Application Timing: PRE
 Applic. Placement: BDCST.
 Air Temp., Unit: 56 F
 % Relative Humidity: 93
 Wind Velocity, Unit: 2 MPH
 Soil Moisture: MOIST
 % Cloud Cover: 75

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: SOLTU PRE
 Stage Scale: .
 Height, Unit: 0. .

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: CHEAL
 Stage Scale: .
 Density, Unit: . .
 Weed 2 Code, Stage: AMBEL
 Stage Scale: .
 Density, Unit: . .
 Weed 3 Code, Stage: AMBTR
 Stage Scale: .
 Density, Unit: . .
 Weed 4 Code, Stage: AGRASS
 Stage Scale: .
 Density, Unit: . .
 Weed 5 Code, Stage: POLPY
 Stage Scale: .
 Density, Unit: . .
 Weed 6 Code, Stage: CYPES
 Stage Scale: .
 Density, Unit: . .
 Weed 7 Code, Stage: OXAST
 Stage Scale: .
 Density, Unit: . .
 Weed 8 Code, Stage: TAROF
 Stage Scale: .
 Density, Unit: . .
 Weed 9 Code, Stage: CAPBP
 Stage Scale: .
 Density, Unit: . .
 Weed10 Code, Stage: ACCVI
 Stage Scale: .
 Density, Unit: . .

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POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

APPLICATION EQUIPMENT

A

Appl. Equipment: CO2 PLOT
Operating Pressure: 35 PSI
Nozzle Type: FLAT FAN
Nozzle Size: 8002 VS
Nozzle Spacing, Unit: 12 INCH
Nozzles/Row: 10
Band Width, Unit: 10 FEET
Boom Height, Unit: 18 INCH
Ground Speed, Unit: 4 MPH
Spray Volume, Unit: 20 GPA

Trial Comments

The "WEEDCAST" computer model was used to predict lambsquarter germination. Plots were cultivated at 15, 30, and 60 percent lambsquarter germination on the following dates:

EMERGENCE	15%	30%	60%
CULTIV.#1	MAY 14		
CULTIV#2	MAY 30	MAY 30	
CULTIV#3	JUNE 6	JUNE 6	JUNE 6

Weed control was rated using the linear scale where 0% = no control and 100 % = complete control. Weed counts are the sum of those weeds in three quadrats (25 X 25 cm.) per plot. Weeds in the control plots were not counted on 5/30/03. Potatoes were hilled on July 2, 2003. Yields were taken from the two center rows 20' in length, and graded into the following classes:

"A"= USDA STD. #1 ; 1 7/8 " or > diameter

"B"= 1.78 " or < diameter

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AGRASS	TRFRE	AMBEL	AMBTR
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNT	COUNT	COUNT	COUNT
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	5/30/2003	5/30/2003	5/30/2003	5/30/2003

Treatment	Product	Prod.	Grow	Appl				
Name	Rate	Unit	Stg	Code	1	2	3	4

ZERO EMERGENCE
CULTIVATION ONLY

ZERO EMERGENCE

CULTIVAT. + DUAL MAGNUM+	1.57 PT/A	PRE	A					
SENCOR	0.595 LB/A	PRE	A					

15% EMERGENCE	11	0	15	0
CULTIVATION ONLY				

15% EMERGENCE	1	0	6	1
CULTIVAT. + DUAL MAGNUM+	1.57 PT/A	PRE	A	
SENCOR	0.595 LB/A	PRE	A	

30% EMERGENCE	14	2	22	1
CULTIVATION ONLY				

30% EMERGENCE	0	0	0	0
CULTIVAT. + DUAL MAGNUM+	1.57 PT/A	PRE	A	
SENCOR	0.595 LB/A	PRE	A	

60% EMERGENCE
CULTIVATION ONLY

60% EMERGENCE

CULTIVAT. + DUAL MAGNUM+	1.57 PT/A	PRE	A	
SENCOR	0.595 LB/A	PRE	A	

LSD (P=.05)	12	0.6	31.2	1.3
Standard Deviation	7.5	0.4	19.5	0.8
CV	119.2	59.63	184.7	262.64

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	OXAST	POLPY	CAPBP
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNT	COUNT	COUNT	COUNT
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	5/30/2003	5/30/2003	5/30/2003	5/30/2003

Treatment	Product	Prod.	Grow	Appl				
Name	Rate	Unit	Stg	Code	5	6	7	8

ZERO EMERGENCE
CULTIVATION ONLY

ZERO EMERGENCE								
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

15% EMERGENCE					2	1	2	1
CULTIVATION ONLY								

15% EMERGENCE					0	0	0	0
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

30% EMERGENCE					3	3	4	1
CULTIVATION ONLY								

30% EMERGENCE					0	0	0	0
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

60% EMERGENCE
CULTIVATION ONLY

60% EMERGENCE								
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

LSD (P=.05)					1.3	4.5	2.6	1.2
Standard Deviation					0.8	2.8	1.6	0.7
CV					77.25	319.3	98.91	193.73

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CYPES	VERAR	ABUTH	ACCVI
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNT	COUNT	COUNT	COUNT
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	5/30/2003	5/30/2003	5/30/2003	5/30/2003

Treatment	Product	Prod.	Grow	Appl				
Name	Rate	Unit	Stg	Code	9	10	11	12

ZERO EMERGENCE
CULTIVATION ONLY

ZERO EMERGENCE								
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

15% EMERGENCE					2	4	2	7
CULTIVATION ONLY								

15% EMERGENCE					0	0	2	2
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

30% EMERGENCE					10	6	1	7
CULTIVATION ONLY								

30% EMERGENCE					0	0	0	0
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

60% EMERGENCE
CULTIVATION ONLY

60% EMERGENCE								
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

LSD (P=.05)					6.2	5.2	2.3	5.1
Standard Deviation					3.9	3.2	1.4	3.2
CV					134.34	129.96	135.17	81.72

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AGRASS	TRFRE	AMBEL	AMBTR
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNT	COUNT	COUNT	COUNT
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	6/6/2003	6/6/2003	6/6/2003	6/6/2003

Treatment	Product	Prod.	Grow	Appl				
Name	Rate	Unit	Stg	Code	13	14	15	16

ZERO EMERGENCE
CULTIVATION ONLY

ZERO EMERGENCE								
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

15% EMERGENCE					1	0	1	0
CULTIVATION ONLY								

15% EMERGENCE					0	0	0	0
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

30% EMERGENCE					3	0	2	0
CULTIVATION ONLY								

30% EMERGENCE					0	0	1	0
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

60% EMERGENCE					28	1	2	0
CULTIVATION ONLY								

60% EMERGENCE					0	0	1	0
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

LSD (P=.05)					5.1	1	2.4	0.3
Standard Deviation					3.4	0.7	1.6	0.2
CV					64.14	266.67	157.41	489.9

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	OXAST	POLPY	CAPBP
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNT	COUNT	COUNT	COUNT
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	6/6/2003	6/6/2003	6/6/2003	6/6/2003

Treatment	Product	Prod.	Grow	Appl				
Name	Rate	Unit	Stg	Code	17	18	19	20

ZERO EMERGENCE
CULTIVATION ONLY

ZERO EMERGENCE								
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

15% EMERGENCE					0	0	0	0
CULTIVATION ONLY								

15% EMERGENCE					0	0	0	0
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

30% EMERGENCE					0	0	1	0
CULTIVATION ONLY								

30% EMERGENCE					0	0	0	0
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

60% EMERGENCE					2	7	1	0
CULTIVATION ONLY								

60% EMERGENCE					0	0	0	0
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

LSD (P=.05)					1.5	1.6	1	0
Standard Deviation					1	1.1	0.6	0
CV					300	95.44	222.05	0

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CYPES	VERAR	ABUTH	ACCVI
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNT	COUNT	COUNT	COUNT
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	6/6/2003	6/6/2003	6/6/2003	6/6/2003

Treatment	Product	Prod.	Grow	Appl				
Name	Rate	Unit	Stg	Code	21	22	23	24

ZERO EMERGENCE
CULTIVATION ONLY

ZERO EMERGENCE								
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

15% EMERGENCE					0	0	0	0
CULTIVATION ONLY								

15% EMERGENCE					0	0	0	0
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

30% EMERGENCE					1	0	0	0
CULTIVATION ONLY								

30% EMERGENCE					0	0	0	0
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

60% EMERGENCE					9	1	2	11
CULTIVATION ONLY								

60% EMERGENCE					0	1	0	0
CULTIVAT. + DUAL MAGNUM+	1.57	PT/A	PRE	A				
SENCOR	0.595	LB/A	PRE	A				

LSD (P=.05)					4.6	1.1	0.5	1.2
Standard Deviation					3.1	0.8	0.3	0.8
CV					189.54	363.98	100	43.13

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AGRASS	AMBEL	TAROF	AMBTR
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	6/9/2003	6/9/2003	6/9/2003	6/9/2003

Treatment	Product	Prod.	Grow	Appl				
Name	Rate	Unit	Stg	Code	25	26	27	28
ZERO EMERGENCE CULTIVATION ONLY					0	0	0	0
ZERO EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		97	98	90	97
15% EMERGENCE CULTIVATION ONLY					88	86	97	89
15% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		93	97	97	99
30% EMERGENCE CULTIVATION ONLY					79	83	86	85
30% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		92	99	98	99
60% EMERGENCE CULTIVATION ONLY					71	68	76	71
60% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		96	99	99	97
LSD (P=.05)					6.5	5	7.7	8.7
Standard Deviation					4.4	3.4	5.2	5.9
CV					5.73	4.3	6.51	7.42

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	POLPY	ABUTH	CYPES
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	6/9/2003	6/9/2003	6/9/2003	6/9/2003

Treatment Name	Product Rate	Prod. Unit	Grow Stg	Appl Code	29	30	31	32
ZERO EMERGENCE CULTIVATION ONLY					0	0	0	0
ZERO EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PT/A LB/A	PRE PRE	A A	99	99	99	99
15% EMERGENCE CULTIVATION ONLY					93	92	97	96
15% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PT/A LB/A	PRE PRE	A A	99	99	99	99
30% EMERGENCE CULTIVATION ONLY					89	81	86	90
30% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PT/A LB/A	PRE PRE	A A	99	99	99	99
60% EMERGENCE CULTIVATION ONLY					79	74	75	96
60% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PT/A LB/A	PRE PRE	A A	99	99	99	99
LSD (P=.05)					9.1	5.4	7	7.6
Standard Deviation					6.2	3.7	4.8	5.1
CV					7.55	4.57	5.81	6.08

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AGRASS	AMBEL	TAROF	AMBTR
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/1/2003	7/1/2003	7/1/2003	7/1/2003

Treatment Name	Product Rate	Prod. Unit	Grow Stg	Appl Code	33	34	35	36
ZERO EMERGENCE CULTIVATION ONLY					0	0	0	0
ZERO EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PT/A LB/A	PRE PRE	A A	95	91	84	94
15% EMERGENCE CULTIVATION ONLY					60	68	92	87
15% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PT/A LB/A	PRE PRE	A A	83	80	99	86
30% EMERGENCE CULTIVATION ONLY					63	51	92	91
30% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PT/A LB/A	PRE PRE	A A	88	80	99	97
60% EMERGENCE CULTIVATION ONLY					25	13	73	30
60% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PT/A LB/A	PRE PRE	A A	90	83	97	95
LSD (P=.05)					11.6	11.9	10.6	30
Standard Deviation					7.9	8.1	7.2	20.4
CV					12.53	13.91	9.12	28.24

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POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	POLPY	ABUTH	CYPES
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/1/2003	7/1/2003	7/1/2003	7/1/2003

Treatment Name	Product Rate	Prod. Unit	Grow Stg	Appl Code	37	38	39	40
ZERO EMERGENCE CULTIVATION ONLY					0	0	0	0
ZERO EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PT/A LB/A	PRE PRE	A A	99	97	99	97
15% EMERGENCE CULTIVATION ONLY					68	79	74	77
15% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PT/A LB/A	PRE PRE	A A	84	99	94	99
30% EMERGENCE CULTIVATION ONLY					76	53	80	65
30% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PT/A LB/A	PRE PRE	A A	86	96	92	99
60% EMERGENCE CULTIVATION ONLY					23	49	73	35
60% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PT/A LB/A	PRE PRE	A A	87	92	87	97
LSD (P=.05)					9.3	26.2	9.5	22.1
Standard Deviation					6.3	17.8	6.5	15
CV					9.67	25.35	8.62	21.15

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POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AGRASS	TRFRE	AMBEL	AMBTR
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNT	COUNT	COUNT	COUNT
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	7/2/2003	7/2/2003	7/2/2003	7/2/2003

Treatment Name	Product Rate	Prod. Unit	Grow Stg	Appl Code	41	42	43	44
ZERO EMERGENCE CULTIVATION ONLY					41	4	8	1
ZERO EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		0	0	0	0
15% EMERGENCE CULTIVATION ONLY					14	0	2	0
15% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		0	0	4	0
30% EMERGENCE CULTIVATION ONLY					11	0	5	0
30% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		3	0	5	0
60% EMERGENCE CULTIVATION ONLY					21	0	2	0
60% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		2	0	2	0
LSD (P=.05)					19	1.4	5	1.1
Standard Deviation					13	0.9	3.4	0.8
CV					112.31	213.81	99.03	409.41

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	OXAST	POLPY	CAPBP
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNT	COUNT	COUNT	COUNT
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	7/2/2003	7/2/2003	7/2/2003	7/2/2003

Treatment Name	Product Rate	Prod. Unit	Grow Stg	Appl Code	45	46	47	48
ZERO EMERGENCE CULTIVATION ONLY					1	6	9	2
ZERO EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		0	0	0	0
15% EMERGENCE CULTIVATION ONLY					4	11	3	1
15% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		3	5	0	2
30% EMERGENCE CULTIVATION ONLY					3	23	6	1
30% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		0	3	3	0
60% EMERGENCE CULTIVATION ONLY					1	11	3	1
60% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		1	2	0	1
LSD (P=.05)					2.1	6.6	8.7	1.7
Standard Deviation					1.5	4.5	5.9	1.2
CV					93.03	59.94	197.77	125.62

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CYPES	VERAR	ABUTH	ACCVI
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNT	COUNT	COUNT	COUNT
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	7/2/2003	7/2/2003	7/2/2003	7/2/2003

Treatment Name	Product Rate	Prod. Unit	Grow Stg	Appl Code	49	50	51	52
ZERO EMERGENCE CULTIVATION ONLY					8	0	2	5
ZERO EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		8	0	0	0
15% EMERGENCE CULTIVATION ONLY					1	0	1	6
15% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		2	0	1	5
30% EMERGENCE CULTIVATION ONLY					6	0	0	11
30% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		11	0	1	4
60% EMERGENCE CULTIVATION ONLY					2	0	1	5
60% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		2	0	1	2
LSD (P=.05)					13.3	0	1.7	7.2
Standard Deviation					9	0	1.1	4.9
CV					184.09	0	144.89	103.4

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POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AGRASS	AMBEL	TAROF	RUMOB
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/21/2003	8/21/2003	8/21/2003	8/21/2003

Treatment Name	Product Rate	Prod. Unit	Grow Stg	Appl Code	53	54	55	56
ZERO EMERGENCE CULTIVATION ONLY					0	0	0	0
ZERO EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		85	68	59	65
15% EMERGENCE CULTIVATION ONLY					3	21	8	8
15% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		84	55	81	78
30% EMERGENCE CULTIVATION ONLY					3	18	0	3
30% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		80	43	91	87
60% EMERGENCE CULTIVATION ONLY					0	0	0	0
60% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		83	71	83	85
LSD (P=.05)					6.8	16.7	11.8	12.6
Standard Deviation					4.6	11.4	8	8.5
CV					11.06	33.1	19.92	21.03

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AMBTR	CHEAL	CAPBP	POLPY
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/21/2003	8/21/2003	8/21/2003	8/21/2003

Treatment Name	Product Rate	Prod. Unit	Grow Stg	Appl Code	57	58	59	60
ZERO EMERGENCE CULTIVATION ONLY					0	0	0	0
ZERO EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		94	70	74	93
15% EMERGENCE CULTIVATION ONLY					10	8	0	3
15% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		65	78	88	97
30% EMERGENCE CULTIVATION ONLY					25	0	0	3
30% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		94	76	85	97
60% EMERGENCE CULTIVATION ONLY					0	0	0	0
60% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		90	28	53	94
LSD (P=.05)					21.6	21.6	13.4	8
Standard Deviation					14.7	14.7	9.1	5.5
CV					31.08	45.4	24.5	11.31

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	ACCVI	ABUTH	CYPES	
Crop Code	SOLTU	SOLTU	SOLTU	SOLTU
Part Rated	WEED	WEED	WEED	TUBER
Rating Data Type	CONTROL	CONTROL	CONTROL	YIELD "A"
Rating Unit	%	%	%	KG./PLOT
Rating Date	8/21/2003	8/21/2003	8/21/2003	9/25/2003

Treatment	Product	Prod.	Grow	Appl				
Name	Rate	Unit	Stg	Code	61	62	63	64
ZERO EMERGENCE CULTIVATION ONLY					0	0	0	1.5
ZERO EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		83	79	48	6.8
15% EMERGENCE CULTIVATION ONLY					0	5	3	6.2
15% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		78	58	38	7.6
30% EMERGENCE CULTIVATION ONLY					35	38	0	4.6
30% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		62	54	90	9.6
60% EMERGENCE CULTIVATION ONLY					0	0	0	2.5
60% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		63	73	94	5.4
LSD (P=.05)					33.4	35.6	21.6	3.41
Standard Deviation					22.7	24.2	14.7	2.32
CV					56.77	63.53	43.26	42.1

The Ohio State University

POTATO CULTIVATION TIMING WITH WEEDCAST COMPUTER MODEL

Trial ID: POTCULTIVW2003 Study Dir.: Dr. Douglas
J.Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

SOLTU

SOLTU

SOLTU

TUBER

"A"

"B"

YIELD "B"

TOTAL YIELD

TOTAL YIELD

KG./PLOT

CWT./A.

CWT./A.

9/25/2003

9/25/2003

9/25/2003

Treatment	Product	Prod.	Grow	Appl			
Name	Rate	Unit	Stg	Code	65	66	67
ZERO EMERGENCE CULTIVATION ONLY					1.9	11.8	14.8
ZERO EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		3	54.1	23.8
15% EMERGENCE CULTIVATION ONLY					3.4	50	27.5
15% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		3.7	60.6	29.7
30% EMERGENCE CULTIVATION ONLY					2.9	36.8	23.2
30% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		3.8	76.5	30.7
60% EMERGENCE CULTIVATION ONLY					2.6	20	21.1
60% EMERGENCE CULTIVAT. + DUAL MAGNUM+ SENCOR	1.57 PT/A 0.595 LB/A	PRE PRE	A A		2.9	43	23.4
LSD (P=.05)					0.78	27.31	6.25
Standard Deviation					0.53	18.57	4.25
CV					17.49	42.1	17.49

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City: Wooster Trial Status: Final
 State/Prov.: Ohio Trial Reliability: Reliable
 Postal Code: 44691 Initiation Date: 06/10/03
 Country: USA Planned Completion Date: 12/30/03

Objective: To observe crop tolerance and weed control on 15 sweet corn varieties using various herbicide combinations.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	CHEAL	common lambsquarter	<i>Chenopodium album</i> L.
2	AMBEL	common ragweed	<i>Ambrosia artemesifolia</i> L.
3	POLPY	Pennsylvania smartweed	<i>Polygonum pennsylvanicum</i> L.
4	SOLPT	Eastern black nightshade	<i>Solanum ptycanthum</i> Dun.
5	SENVU	common groundsel	<i>Senecio vulgaris</i> L.
6	SONOL	annual sowthistle	<i>Sonchus oleraceus</i> L.
7	OXAST	yellow woodsorrel	<i>Oxalis stricta</i> L.
8	AMARE	redroot pigweed	<i>Amaranthus retroflexus</i>
9	AMBTR	giant ragweed	<i>Ambrosia trifida</i> L.
10	POROL	common purslane	<i>Portulaca oleracea</i> L.
11	SETFA	giant foxtail	<i>Setaria faberi</i> Herrm.
12	PANDI	fall panicum	<i>Panicum dichotomiflorum</i> Michx.
13	DIGSA	large crabgrass	<i>Digitaria sanguinalis</i> (L.) Scop.
14	ACCVI	Virginia copperleaf	<i>Acalypha virginica</i> L.
15	RUMOB	broadleaf dock	<i>Rumex obtusifolius</i> L.

Crop 1: ZEAMS SWEET CORN Variety: 15 VARIETIES

Planting Date: 06/10/03 Planting Method: CONVENTIONAL

Rate: 1 SEED/10" Depth: 2 IN

Row Spacing: 30 IN. Seed Bed: CONVENTIONAL

Soil Moisture: MOIST

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 200 FT Reps: 1

Site Type: LEVEL FIELD

Tillage Type: CONVENTIONAL Study Design: SPLIT-PLOT

SOIL DESCRIPTION

% Sand: 16 % OM: 3 Texture: SILT LOAM
 % Silt: 72 pH: 6.8 Soil Name: WOOSTER SILT LOAM
 % Clay: 12 CEC: 14 Fert. Level: MODERATE

Overall Moisture Conditions: MOIST

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

APPLICATION DESCRIPTION

A

Application Date: 7/25/2003
 Time of Day: 2-3 PM
 Application Method: SPRAY
 Application Timing: POST
 Applic. Placement: BROADCAST
 Air Temp., Unit: 71 F
 % Relative Humidity: 79
 Wind Velocity, Unit: 2 MPH
 Dew Presence (Y/N): N
 Soil Moisture: MOIST
 % Cloud Cover: 60

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMS POST
 Stage Scale: 3-4 COLLAR
 Height, Unit: 18 IN.

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: CHEAL POST
 Stage Scale: 12-18"
 Density, Unit: HIGH
 Weed 2 Code, Stage: AMBEL POST
 Stage Scale: 12-18"
 Density, Unit: MEDIUM
 Weed 3 Code, Stage: POLPY POST
 Stage Scale: 9-15" DIA
 Density, Unit: MEDIUM
 Weed 4 Code, Stage: SOLPT POST
 Stage Scale: 12 -18"
 Density, Unit: MEDIUM
 Weed 5 Code, Stage: SENVU POST
 Stage Scale: 4-9"
 Density, Unit: MEDIUM
 Weed 6 Code, Stage: SONOL POST
 Stage Scale: 8-18"
 Density, Unit: MEDIUM
 Weed 7 Code, Stage: OXAST POST
 Stage Scale: 2-6"
 Density, Unit: MEDIUM
 Weed 8 Code, Stage: AMARE POST
 Stage Scale: 12-18"
 Density, Unit: MEDIUM
 Weed 9 Code, Stage: AMBTR POST
 Stage Scale: 12-18"
 Density, Unit: MEDIUM
 Weed10 Code, Stage: POROL POST
 Stage Scale: 4-8" DIA.
 Density, Unit: MEDIUM

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SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Weed11 Code, Stage: SETFA POST

Stage Scale: 8-12"

Density, Unit: HIGH

Weed12 Code, Stage: PANDI POST

Stage Scale: 8-12"

Density, Unit: MEDIUM

Weed13 Code, Stage: DIGSA POST

Stage Scale: 6-10"

Density, Unit: MEDIUM

Weed14 Code, Stage: ACCVI POST

Stage Scale: 4-8"

Density, Unit: MEDIUM

Weed15 Code, Stage: RUMOB POST

Stage Scale: 4-8"

Density, Unit: MEDIUM

APPLICATION EQUIPMENT

A

Appl. Equipment: CO2 PLOT

Operating Pressure: 35

Nozzle Type: FLAT FAN

Nozzle Size: 8002VS

Nozzle Spacing, Unit: 12 IN.

Nozzles/Row: 10

Band Width, Unit: 10 FT

Boom Height, Unit: 18 IN.

Ground Speed, Unit: 3.5 MPH

Spray Volume, Unit: 20 GPA

Trial Comments

Height, from the soil line to the tip of the flag leaf was recorded on 8/22/03 from 3 plants selected at random. The average value is reported. Yield was not recorded. The following abbreviations are used in the means table:

"INJURY " = Combination of chlorosis and stunt. (% difference in height from control plot)

"EX.TILLERS" = % increased number of basal tillers from control plot.

"EX. LEAVES" = %increase and "flaring" in wrapper leaves in the ear area.

"INT.RED." = % visual reduction in internodal spacing.

"SEC.EARS" = % visual increase in number of secondary ears from control plot.

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code							
Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				INJURY	INJURY	INJURY	EX.TILLR
Rating Unit				%	%	%	%
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28

EXTRA TENDER 372A

CALLISTO+	3 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

CONFECTION

CALLISTO+	3 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

TEMPTATION

CALLISTO+	3 OZ/A	POST	0	0	5	0
NIS	0.4 PT/A	POST				

SWEET ICE

CALLISTO+	3 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

KANDY PLUS

CALLISTO+	3 OZ/A	POST	0	0	5	0
NIS	0.4 PT/A	POST				

EXTRA TENDER 277

CALLISTO+	3 OZ/A	POST	0	10	5	0
NIS	0.4 PT/A	POST				

SENECA DAYBREAK

CALLISTO+	3 OZ/A	POST	10	0	0	0
NIS	0.4 PT/A	POST				

SILVER KING

CALLISTO+	3 OZ/A	POST	0	0	5	0
NIS	0.4 PT/A	POST				

ICE QUEEN

CALLISTO+	3 OZ/A	POST	0	0	5	0
NIS	0.4 PT/A	POST				

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code							
Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				INJURY	INJURY	INJURY	EX.TILLR
Rating Unit				%	%	%	%
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28
CRONUS							
CALLISTO+	3 OZ/A	POST		0	0	0	0
NIS	0.4 PT/A	POST					
SWEET RYTHM							
CALLISTO+	3 OZ/A	POST		0	0	0	0
NIS	0.4 PT/A	POST					
KANDY KORNER							
CALLISTO+	3 OZ/A	POST		0	0	0	0
NIS	0.4 PT/A	POST					
INCREDIBLE							
CALLISTO+	3 OZ/A	POST		0	0	0	0
NIS	0.4 PT/A	POST					
BANDIT							
CALLISTO+	3 OZ/A	POST		25	30	0	0
NIS	0.4 PT/A	POST					
OBSESSION							
CALLISTO+	3 OZ/A	POST		0	15	0	0
NIS	0.4 PT/A	POST					
EXTRA TENDER 372A							
CALLISTO+	6 OZ/A	POST		0	0	0	0
NIS	0.4 PT/A	POST					
CONFECTION							
CALLISTO+	6 OZ/A	POST		0	0	0	0
NIS	0.4 PT/A	POST					
TEMPTATION							
CALLISTO+	6 OZ/A	POST		0	5	0	0
NIS	0.4 PT/A	POST					

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SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

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Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code							
Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				INJURY	INJURY	INJURY	EX.TILLR
Rating Unit				%	%	%	%
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28

SWEET ICE

CALLISTO+	6 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

KANDY PLUS

CALLISTO+	6 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

EXTRA TENDER 277

CALLISTO+	6 OZ/A	POST	0	30	10	0
NIS	0.4 PT/A	POST				

SENECA DAYBREAK

CALLISTO+	6 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

SILVER KING

CALLISTO+	6 OZ/A	POST	0	5	10	0
NIS	0.4 PT/A	POST				

ICE QUEEN

CALLISTO+	6 OZ/A	POST	0	25	10	0
NIS	0.4 PT/A	POST				

CRONUS

CALLISTO+	6 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

SWEET RYTHM

CALLISTO+	6 OZ/A	POST	0	0	5	0
NIS	0.4 PT/A	POST				

KANDY KORNER

CALLISTO+	6 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code							
Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				INJURY	INJURY	INJURY	EX.TILLR
Rating Unit				%	%	%	%
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28
INCREDIBLE							
CALLISTO+	6 OZ/A	POST		10	0	0	0
NIS	0.4 PT/A	POST					
BANDIT							
CALLISTO+	6 OZ/A	POST		0	15	0	0
NIS	0.4 PT/A	POST					
OBSESSION							
CALLISTO+	6 OZ/A	POST		5	0	0	0
NIS	0.4 PT/A	POST					
EXTRA TENDER 372A							
PERMIT+	1 OZ/A	POST		0	5	0	0
NIS	0.4 PT/A	POST					
CONFECTION							
PERMIT+	1 OZ/A	POST		0	10	0	0
NIS	0.4 PT/A	POST					
TEMPTATION							
PERMIT+	1 OZ/A	POST		0	15	10	0
NIS	0.4 PT/A	POST					
SWEET ICE							
PERMIT+	1 OZ/A	POST		0	0	5	0
NIS	0.4 PT/A	POST					
KANDY PLUS							
PERMIT+	1 OZ/A	POST		0	0	10	0
NIS	0.4 PT/A	POST					
EXTRA TENDER 277							
PERMIT+	1 OZ/A	POST		0	15	10	0
NIS	0.4 PT/A	POST					

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code							
Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				INJURY	INJURY	INJURY	EX.TILLR
Rating Unit				%	%	%	%
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28

SENECA DAYBREAK

PERMIT+	1 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

SILVER KING

PERMIT+	1 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

ICE QUEEN

PERMIT+	1 OZ/A	POST	0	0	10	0
NIS	0.4 PT/A	POST				

CRONUS

PERMIT+	1 OZ/A	POST	0	0	15	0
NIS	0.4 PT/A	POST				

SWEET RYTHM

PERMIT+	1 OZ/A	POST	0	10	0	0
NIS	0.4 PT/A	POST				

KANDY KORNER

PERMIT+	1 OZ/A	POST	0	10	0	0
NIS	0.4 PT/A	POST				

INCREDIBLE

PERMIT+	1 OZ/A	POST	0	40	0	0
NIS	0.4 PT/A	POST				

BANDIT

PERMIT+	1 OZ/A	POST	0	30	0	0
NIS	0.4 PT/A	POST				

OBSESSION

PERMIT+	1 OZ/A	POST	0	20	0	0
NIS	0.4 PT/A	POST				

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code							
Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				INJURY	INJURY	INJURY	EX.TILLR
Rating Unit				%	%	%	%
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28

EXTRA TENDER 372A

PERMIT+	2 OZ/A	POST	0	10	0	0
NIS	0.4 PT/A	POST				

CONFECTION

PERMIT+	2 OZ/A	POST	0	0	10	0
NIS	0.4 PT/A	POST				

TEMPTATION

PERMIT+	2 OZ/A	POST	0	10	10	0
NIS	0.4 PT/A	POST				

SWEET ICE

PERMIT+	2 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

KANDY PLUS

PERMIT+	2 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

EXTRA TENDER 277

PERMIT+	2 OZ/A	POST	0	15	15	0
NIS	0.4 PT/A	POST				

SENECA DAYBREAK

PERMIT+	2 OZ/A	POST	0	20	10	0
NIS	0.4 PT/A	POST				

SILVER KING

PERMIT+	2 OZ/A	POST	0	25	10	0
NIS	0.4 PT/A	POST				

ICE QUEEN

PERMIT+	2 OZ/A	POST	0	0	10	0
NIS	0.4 PT/A	POST				

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS

ZEAMS

ZEAMS

ZEAMS

PLANT

PLANT

PLANT

PLANT

INJURY

INJURY

INJURY

EX.TILLR

%

%

%

%

8/1/03

08/15/03

09/05/03

09/05/03

Treatment

Product

Product

Grow

Name

Rate

Rate Unit

Stg

1

2

27

28

CRONUS

PERMIT+

2 OZ/A

POST

0

10

0

0

NIS

0.4 PT/A

POST

SWEET RYTHM

PERMIT+

2 OZ/A

POST

0

0

0

0

NIS

0.4 PT/A

POST

KANDY KORNER

PERMIT+

2 OZ/A

POST

0

0

0

0

NIS

0.4 PT/A

POST

INCREDIBLE

PERMIT+

2 OZ/A

POST

20

50

0

0

NIS

0.4 PT/A

POST

BANDIT

PERMIT+

2 OZ/A

POST

0

40

0

0

NIS

0.4 PT/A

POST

OBSESSION

PERMIT+

2 OZ/A

POST

0

30

0

0

NIS

0.4 PT/A

POST

EXTRA TENDER 372A

DISTINCT+

4 OZ/A

POST

0

0

0

0

NIS

0.4 PT/A

POST

CONFECTION

DISTINCT+

4 OZ/A

POST

0

20

0

0

NIS

0.4 PT/A

POST

TEMPTATION

DISTINCT+

4 OZ/A

POST

0

10

0

0

NIS

0.4 PT/A

POST

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code							
Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				INJURY	INJURY	INJURY	EX.TILLR
Rating Unit				%	%	%	%
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28

SWEET ICE

DISTINCT+	4 OZ/A	POST	5	10	0	0
NIS	0.4 PT/A	POST				

KANDY PLUS

DISTINCT+	4 OZ/A	POST	15	10	0	0
NIS	0.4 PT/A	POST				

EXTRA TENDER 277

DISTINCT+	4 OZ/A	POST	10	20	10	20
NIS	0.4 PT/A	POST				

SENECA DAYBREAK

DISTINCT+	4 OZ/A	POST	0	5	0	20
NIS	0.4 PT/A	POST				

SILVER KING

DISTINCT+	4 OZ/A	POST	0	0	10	20
NIS	0.4 PT/A	POST				

ICE QUEEN

DISTINCT+	4 OZ/A	POST	0	0	0	20
NIS	0.4 PT/A	POST				

CRONUS

DISTINCT+	4 OZ/A	POST	0	10	10	15
NIS	0.4 PT/A	POST				

SWEET RYTHM

DISTINCT+	4 OZ/A	POST	0	0	10	10
NIS	0.4 PT/A	POST				

KANDY KORNER

DISTINCT+	4 OZ/A	POST	0	0	0	0
NIS	0.4 PT/A	POST				

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Crop Code				PLANT	PLANT	PLANT	PLANT
Part Rated				INJURY	INJURY	INJURY	EX.TILLR
Rating Data Type				%	%	%	%
Rating Unit							
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28
INCREDIBLE							
DISTINCT+	4 OZ/A	POST		0	0	0	10
NIS	0.4 PT/A	POST					
BANDIT							
DISTINCT+	4 OZ/A	POST		0	0	0	0
NIS	0.4 PT/A	POST					
OBSESSION							
DISTINCT+	4 OZ/A	POST		10	20	0	0
NIS	0.4 PT/A	POST					
EXTRA TENDER 372A							
CLARITY+	6 OZ/A	POST		0	0	0	0
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
CONFECTION							
CLARITY+	6 OZ/A	POST		0	20	0	0
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
TEMPTATION							
CLARITY+	6 OZ/A	POST		0	10	0	0
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
SWEET ICE							
CLARITY+	6 OZ/A	POST		0	5	0	0
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
KANDY PLUS							
CLARITY+	6 OZ/A	POST		0	0	0	0
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					

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Doohan

Weed Code							
Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				INJURY	INJURY	INJURY	EX.TILLR
Rating Unit				%	%	%	%
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28

EXTRA TENDER 277

CLARITY+	6 OZ/A	POST	0	0	10	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

SENECA DAYBREAK

CLARITY+	6 OZ/A	POST	0	0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

SILVER KING

CLARITY+	6 OZ/A	POST	0	0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

ICE QUEEN

CLARITY+	6 OZ/A	POST	0	0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

CRONUS

CLARITY+	6 OZ/A	POST	0	0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

SWEET RYTHM

CLARITY+	6 OZ/A	POST	0	0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

KANDY KORNER

CLARITY+	6 OZ/A	POST	0	0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

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Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS

ZEAMS

ZEAMS

ZEAMS

PLANT

PLANT

PLANT

PLANT

INJURY

INJURY

INJURY

EX.TILLR

%

%

%

%

8/1/03

08/15/03

09/05/03

09/05/03

Treatment

Product

Product

Grow

Name

Rate

Rate Unit

Stg

1

2

27

28

INCREDIBLE

CLARITY+

6 OZ/A

POST

0

0

0

0

MSO+

1.5 PT/A

POST

UAN

2 QT/A

POST

BANDIT

CLARITY+

6 OZ/A

POST

0

10

0

0

MSO+

1.5 PT/A

POST

UAN

2 QT/A

POST

OBSESSION

CLARITY+

6 OZ/A

POST

0

0

0

0

MSO+

1.5 PT/A

POST

UAN

2 QT/A

POST

EXTRA TENDER 372A

OPTION+

1.5 OZ/A

POST

0

0

15

0

MSO+

1.5 PT/A

POST

UAN

2 QT/A

POST

CONFECTION

OPTION+

1.5 OZ/A

POST

0

0

10

0

MSO+

1.5 PT/A

POST

UAN

2 QT/A

POST

TEMPTATION

OPTION+

1.5 OZ/A

POST

0

0

5

0

MSO+

1.5 PT/A

POST

UAN

2 QT/A

POST

SWEET ICE

OPTION+

1.5 OZ/A

POST

15

0

5

0

MSO+

1.5 PT/A

POST

UAN

2 QT/A

POST

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Doohan

Weed Code							
Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				INJURY	INJURY	INJURY	EX.TILLR
Rating Unit				%	%	%	%
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28

KANDY PLUS

OPTION+	1.5 OZ/A	POST	10	0	10	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

EXTRA TENDER 277

OPTION+	1.5 OZ/A	POST	5	5	15	20
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

SENECA DAYBREAK

OPTION+	1.5 OZ/A	POST	10	10	20	20
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

SILVER KING

OPTION+	1.5 OZ/A	POST	5	0	5	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

ICE QUEEN

OPTION+	1.5 OZ/A	POST	0	0	10	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

CRONUS

OPTION+	1.5 OZ/A	POST	15	0	15	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

SWEET RYTHM

OPTION+	1.5 OZ/A	POST	0	0	10	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

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Weed Code							
Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				INJURY	INJURY	INJURY	EX.TILLR
Rating Unit				%	%	%	%
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28

KANDY KORNER

OPTION+	1.5 OZ/A	POST	0	0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

INCREDIBLE

OPTION+	1.5 OZ/A	POST	20	15	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

BANDIT

OPTION+	1.5 OZ/A	POST	10	5	5	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

OBSESSION

OPTION+	1.5 OZ/A	POST	15	0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

EXTRA TENDER 372A

OPTION+	1.5 OZ/A	POST	5	0	30	30
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

CONFECTION

OPTION+	1.5 OZ/A	POST	20	5	20	20
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

TEMPTATION

OPTION+	1.5 OZ/A	POST	0	5	15	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

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Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				INJURY	INJURY	INJURY	EX.TILLR
Rating Unit				%	%	%	%
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28

SWEET ICE

OPTION+	1.5 OZ/A	POST	15	0	15	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

KANDY PLUS

OPTION+	1.5 OZ/A	POST	10	0	15	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

EXTRA TENDER 277

OPTION+	1.5 OZ/A	POST	15	0	30	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

SENECA DAYBREAK

OPTION+	1.5 OZ/A	POST	0	10	30	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

SILVER KING

OPTION+	1.5 OZ/A	POST	0	0	10	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

ICE QUEEN

OPTION+	1.5 OZ/A	POST	20	5	30	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

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Weed Code							
Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				INJURY	INJURY	INJURY	EX.TILLR
Rating Unit				%	%	%	%
Rating Date				8/1/03	08/15/03	09/05/03	09/05/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	27	28

CRONUS

OPTION+	1.5 OZ/A	POST	10	5	30	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

SWEET RYTHM

OPTION+	1.5 OZ/A	POST	15	5	30	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

KANDY KORNER

OPTION+	1.5 OZ/A	POST	0	0	0	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

INCREDIBLE

OPTION+	1.5 OZ/A	POST	0	0	0	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

BANDIT

OPTION+	1.5 OZ/A	POST	15	0	5	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

OBSESSION

OPTION+	1.5 OZ/A	POST	5	0	15	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

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Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
EXTRA TENDER 372A						
CALLISTO+	3 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
CONFECTION						
CALLISTO+	3 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
TEMPTATION						
CALLISTO+	3 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
SWEET ICE						
CALLISTO+	3 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
KANDY PLUS						
CALLISTO+	3 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
EXTRA TENDER 277						
CALLISTO+	3 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
SENECA DAYBREAK						
CALLISTO+	3 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
SILVER KING						
CALLISTO+	3 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
ICE QUEEN						
CALLISTO+	3 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				

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Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
CRONUS						
CALLISTO+	3 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
SWEET RYTHM						
CALLISTO+	3 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
KANDY KORNER						
CALLISTO+	3 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
INCREDIBLE						
CALLISTO+	3 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
BANDIT						
CALLISTO+	3 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
OBSESSION						
CALLISTO+	3 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
EXTRA TENDER 372A						
CALLISTO+	6 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
CONFECTION						
CALLISTO+	6 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
TEMPTATION						
CALLISTO+	6 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				

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Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
SWEET ICE						
CALLISTO+	6 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
KANDY PLUS						
CALLISTO+	6 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
EXTRA TENDER 277						
CALLISTO+	6 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
SENECA DAYBREAK						
CALLISTO+	6 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
SILVER KING						
CALLISTO+	6 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
ICE QUEEN						
CALLISTO+	6 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
CRONUS						
CALLISTO+	6 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
SWEET RYTHM						
CALLISTO+	6 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
KANDY KORNER						
CALLISTO+	6 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				

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Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
INCREDIBLE						
CALLISTO+	6 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
BANDIT						
CALLISTO+	6 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
OBSESSION						
CALLISTO+	6 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
EXTRA TENDER 372A						
PERMIT+	1 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
CONFECTION						
PERMIT+	1 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
TEMPTATION						
PERMIT+	1 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
SWEET ICE						
PERMIT+	1 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
KANDY PLUS						
PERMIT+	1 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
EXTRA TENDER 277						
PERMIT+	1 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				

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Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
SENECA DAYBREAK						
PERMIT+	1 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
SILVER KING						
PERMIT+	1 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
ICE QUEEN						
PERMIT+	1 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
CRONUS						
PERMIT+	1 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
SWEET RYTHM						
PERMIT+	1 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
KANDY KORNER						
PERMIT+	1 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
INCREDIBLE						
PERMIT+	1 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
BANDIT						
PERMIT+	1 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
OBSESSION						
PERMIT+	1 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				

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Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
EXTRA TENDER 372A						
PERMIT+	2 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
CONFECTION						
PERMIT+	2 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
TEMPTATION						
PERMIT+	2 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
SWEET ICE						
PERMIT+	2 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
KANDY PLUS						
PERMIT+	2 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
EXTRA TENDER 277						
PERMIT+	2 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
SENECA DAYBREAK						
PERMIT+	2 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
SILVER KING						
PERMIT+	2 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
ICE QUEEN						
PERMIT+	2 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				

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Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS PLANT	ZEAMS PLANT	ZEAMS PLANT
EXTRA LVS.	SECON.EARS	INTERN. RED.
%	%	%
09/05/03	09/05/03	09/05/03

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	29	30	31
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CRONUS

PERMIT+	2 OZ/A	POST	10	0	0
NIS	0.4 PT/A	POST			

SWEET RYTHM

PERMIT+	2 OZ/A	POST	5	0	0
NIS	0.4 PT/A	POST			

KANDY KORNER

PERMIT+	2 OZ/A	POST	0	0	0
NIS	0.4 PT/A	POST			

INCREDIBLE

PERMIT+	2 OZ/A	POST	0	0	0
NIS	0.4 PT/A	POST			

BANDIT

PERMIT+	2 OZ/A	POST	5	0	0
NIS	0.4 PT/A	POST			

OBSESSION

PERMIT+	2 OZ/A	POST	0	0	0
NIS	0.4 PT/A	POST			

EXTRA TENDER 372A

DISTINCT+	4 OZ/A	POST	5	0	0
NIS	0.4 PT/A	POST			

CONFECTION

DISTINCT+	4 OZ/A	POST	0	0	0
NIS	0.4 PT/A	POST			

TEMPTATION

DISTINCT+	4 OZ/A	POST	5	0	0
NIS	0.4 PT/A	POST			

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SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
SWEET ICE						
DISTINCT+	4 OZ/A	POST		5	0	0
NIS	0.4 PT/A	POST				
KANDY PLUS						
DISTINCT+	4 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
EXTRA TENDER 277						
DISTINCT+	4 OZ/A	POST		20	0	0
NIS	0.4 PT/A	POST				
SENECA DAYBREAK						
DISTINCT+	4 OZ/A	POST		20	15	0
NIS	0.4 PT/A	POST				
SILVER KING						
DISTINCT+	4 OZ/A	POST		10	15	0
NIS	0.4 PT/A	POST				
ICE QUEEN						
DISTINCT+	4 OZ/A	POST		10	15	0
NIS	0.4 PT/A	POST				
CRONUS						
DISTINCT+	4 OZ/A	POST		10	15	0
NIS	0.4 PT/A	POST				
SWEET RYTHM						
DISTINCT+	4 OZ/A	POST		10	0	0
NIS	0.4 PT/A	POST				
KANDY KORNER						
DISTINCT+	4 OZ/A	POST		5	0	0
NIS	0.4 PT/A	POST				

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
INCREDIBLE						
DISTINCT+	4 OZ/A	POST		10	15	0
NIS	0.4 PT/A	POST				
BANDIT						
DISTINCT+	4 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
OBSESSION						
DISTINCT+	4 OZ/A	POST		0	0	0
NIS	0.4 PT/A	POST				
EXTRA TENDER 372A						
CLARITY+	6 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
CONFECTION						
CLARITY+	6 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
TEMPTATION						
CLARITY+	6 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SWEET ICE						
CLARITY+	6 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
KANDY PLUS						
CLARITY+	6 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
EXTRA TENDER 277						
CLARITY+	6 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SENECA DAYBREAK						
CLARITY+	6 OZ/A	POST		5	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SILVER KING						
CLARITY+	6 OZ/A	POST		10	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
ICE QUEEN						
CLARITY+	6 OZ/A	POST		10	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
CRONUS						
CLARITY+	6 OZ/A	POST		10	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SWEET RYTHM						
CLARITY+	6 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
KANDY KORNER						
CLARITY+	6 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
INCREDIBLE						
CLARITY+	6 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
BANDIT						
CLARITY+	6 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
OBSESSION						
CLARITY+	6 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
EXTRA TENDER 372A						
OPTION+	1.5 OZ/A	POST		20	0	15
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
CONFECTION						
OPTION+	1.5 OZ/A	POST		20	0	15
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
TEMPTATION						
OPTION+	1.5 OZ/A	POST		20	0	15
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SWEET ICE						
OPTION+	1.5 OZ/A	POST		20	0	15
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

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SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
KANDY PLUS						
OPTION+	1.5 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
EXTRA TENDER 277						
OPTION+	1.5 OZ/A	POST		20	15	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SENECA DAYBREAK						
OPTION+	1.5 OZ/A	POST		20	15	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SILVER KING						
OPTION+	1.5 OZ/A	POST		20	15	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
ICE QUEEN						
OPTION+	1.5 OZ/A	POST		20	15	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
CRONUS						
OPTION+	1.5 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SWEET RYTHM						
OPTION+	1.5 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

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SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
KANDY KORNER						
OPTION+	1.5 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
INCREDIBLE						
OPTION+	1.5 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
BANDIT						
OPTION+	1.5 OZ/A	POST		10	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
OBSESSION						
OPTION+	1.5 OZ/A	POST		0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
EXTRA TENDER 372A						
OPTION+	1.5 OZ/A	POST		30	15	20
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
CONFECTION						
OPTION+	1.5 OZ/A	POST		20	15	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
TEMPTATION						
OPTION+	1.5 OZ/A	POST		0	0	15
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

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SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03

Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31

SWEET ICE

OPTION+	1.5 OZ/A	POST	0	0	0
CALLISTO+	6 OZ/A	POST			
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			

KANDY PLUS

OPTION+	1.5 OZ/A	POST	0	0	0
CALLISTO+	6 OZ/A	POST			
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			

EXTRA TENDER 277

OPTION+	1.5 OZ/A	POST	20	15	10
CALLISTO+	6 OZ/A	POST			
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			

SENECA DAYBREAK

OPTION+	1.5 OZ/A	POST	20	15	20
CALLISTO+	6 OZ/A	POST			
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			

SILVER KING

OPTION+	1.5 OZ/A	POST	10	15	0
CALLISTO+	6 OZ/A	POST			
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			

ICE QUEEN

OPTION+	1.5 OZ/A	POST	0	0	0
CALLISTO+	6 OZ/A	POST			
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			

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SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code						
Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT
Rating Data Type				EXTRA LVS.	SECON.EARS	INTERN. RED.
Rating Unit				%	%	%
Rating Date				09/05/03	09/05/03	09/05/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	29	30	31
CRONUS						
OPTION+	1.5 OZ/A	POST		30	15	20
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SWEET RYTHM						
OPTION+	1.5 OZ/A	POST		20	0	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
KANDY KORNER						
OPTION+	1.5 OZ/A	POST		0	0	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
INCREDIBLE						
OPTION+	1.5 OZ/A	POST		0	0	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
BANDIT						
OPTION+	1.5 OZ/A	POST		15	15	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
OBSESSION						
OPTION+	1.5 OZ/A	POST		0	0	0
CALLISTO+	6 OZ/A	POST				
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

The Ohio State University

SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code	SOLPT	SENVU	AMBEL	AMBTR	RUMOB	CHEAL
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%
Rating Date	9/5/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003

Treatment Name	Prod. Rate	Prod. Unit	Grow Stg	35	36	37	38	39	40
CALLISTO+ NIS	3 OZ/A 0.4 PT/A	POST POST		85	50	90	60	0	90
CALLISTO+ NIS	6 OZ/A 0.4 PT/A	POST POST		95	99	99	99	99	90
PERMIT+ NIS	1 OZ/A 0.4 PT/A	POST POST		50	99	99	30	0	30
PERMIT+ NIS	2 OZ/A 0.4 PT/A	POST POST		50	99	99	99	99	25
DISTINCT+ NIS	4 OZ/A 0.4 PT/A	POST POST		80	85	99	99	99	99
CLARITY+ MSO+ UAN	6 OZ/A 1.5 PT/A 2 QT/A	POST POST POST		30	0	99	99	20	99
OPTION+ MSO+ UAN	1.5 OZ/A 1.5 PT/A 2 QT/A	POST POST POST		99	80	85	30	40	90
OPTION+ CALLISTO+ MSO+ UAN	1.5 OZ/A 6 OZ/A 1.5 PT/A 2 QT/A	POST POST POST POST		99	99	99	50	30	99

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SWEET CORN - SENSITIVITY OF VARIETIES TO EIGHT HERBICIDES

Trial ID: SCSVARHERWOOS2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code				SONOL	POROL	ACCVI	SETFA	PANDI	DIGSA
Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				WEED	WEED	WEED	WEED	WEED	WEED
Rating Data Type				CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit				%	%	%	%	%	%
Rating Date				9/5/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003
Treatment	Prod.	Prod.	Grow						
Name	Rate	Unit	Stg	44	45	46	47	48	49
CALLISTO+ NIS	3 OZ/A 0.4 PT/A	POST POST		70	80	0	0	0	0
CALLISTO+ NIS	6 OZ/A 0.4 PT/A	POST POST		95	95	75	0	0	0
PERMIT+ NIS	1 OZ/A 0.4 PT/A	POST POST		99	99	0	0	0	0
PERMIT+ NIS	2 OZ/A 0.4 PT/A	POST POST		99	50	70	0	0	0
DISTINCT+ NIS	4 OZ/A 0.4 PT/A	POST POST		99	99	95	99	40	20
CLARITY+ MSO+ UAN	6 OZ/A 1.5 PT/A 2 QT/A	POST POST POST		0	0	0	0	0	0
OPTION+ MSO+ UAN	1.5 OZ/A 1.5 PT/A 2 QT/A	POST POST POST		99	50	90	99	99	90
OPTION+ CALLISTO+ MSO+ UAN	1.5 OZ/A 6 OZ/A 1.5 PT/A 2 QT/A	POST POST POST POST		50	70	60	95	95	85

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX & OPTION

Trial ID: SCCALVARWOOS2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City: Wooster	Trial Status: Final
State/Prov.: Ohio	Trial Reliability: Reliable
Postal Code: 44691	Initiation Date: 05/27/03
Country: USA	Planned Completion Date: 12/30/03

Objective: Evaluate sweet corn hybrid response to Lumax, (PRE); Callisto + Atrazine (POST); and Option, (POST) on seven varieties.

Crop 1: ZEAMS SWEET CORN Variety: 7 VARIETIES

Planting Date: 05/29/03 Planting Method: MECHANICAL

Rate: 1 SEED/FOOT Depth: 2 "

Row Spacing: 30 INCH Seed Bed: CONVENTIONAL

Soil Moisture: MOIST

SITE AND DESIGN

Plot Width, Unit: 35 FT Plot Length, Unit: 25 FT Reps: 3

Site Type: LEVEL FIELD

Tillage Type: CONVENTIONAL Study Design: SPLIT-PLOT

SOIL DESCRIPTION

% Sand: 16	% OM: 3	Texture: SILT LOAM
% Silt: 72	pH: 6.8	Soil Name: WOOSTER SILT LOAM
% Clay: 12	CEC: 14	Fert. Level: MODERATE

APPLICATION DESCRIPTION

	A	B
Application Date:	5/29/2003	7/1/2003
Time of Day:	4-5 PM	9-10 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	POST
Applic. Placement:	BROADCAST	BROADCAST
Air Temp., Unit:	66 F	70 F
% Relative Humidity:	61	52
Wind Velocity, Unit:	2 MPH	1 MPH
Soil Moisture:	MOIST	MOIST
% Cloud Cover:	70	90

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMS PRE	ZEAMS POST
Stage Scale:	.	3-4 COLLAR
Height, Unit:	0. .	7 INCH

The Ohio State University

SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX & OPTION

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 PLOT	CO2 PLOT
Operating Pressure:	35	35
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8002 VS	8002 VS
Nozzle Spacing, Unit:	12 IN	12 IN
Nozzles/Row:	10	10
Band Width, Unit:	10 FEET	10 FEET
Boom Height, Unit:	18 INCH	18 INCH
Ground Speed, Unit:	3.5 MPH	3.5 MPH
Spray Volume, Unit:	20 GPA	20 GPA

Trial Comments

The varieties used this year were:

- 1) HMX 0351
- 2) KANDY KORN
- 3) SERENDIPITY
- 4) SWEET CHORUS
- 5) SWEET RHYTHM
- 6) ATTRIBUTE GSS0966
- 7) ATTRIBUTE GHO937F1

Corn was hand planted on 5/29/03. All visual ratings used the linear scale of 0-100%; 0%= no injury/no weed control, 100%= plant death/ complete weed control. Injury ratings include percent chlorosis, stunt, and aggregate injury. Yield data and stand counts were taken from 2 rows of plants, 30" between rows and 25' in length.

Heights of 3 corn plants were recorded in each plot, measured from the soil line to collar of the most recent fully expanded leaf. Marketable ears were harvested at estimated days to maturity, and also depending on silk color. Husks were removed prior to weighing the ears. Ears were graded according to the following classes:

1) Syngenta Fancy, (6.5" long & <1.0 cm. of blank tip)

2) U.S.Fancy, (6.0" long ; blank tip not an issue)

Total marketable (MKTB.) weight is the sum of SYNGENTA FANCY and U.S FANCY weights, given in tons per acre; ear weights were taken without husks.

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit				%	%	%	%
Rating Date				6/5/03	6/5/03	6/5/03	6/19/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	3	4
GH 0937							
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0
AATREX	1.5 PT/A	PRE					
GSS 0966							
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0
AATREX	1.5 PT/A	PRE					
HMX 0351							
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0
AATREX	1.5 PT/A	PRE					
KANDY KORN							
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0
AATREX	1.5 PT/A	PRE					
SERENDIPITY							
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0
AATREX	1.5 PT/A	PRE					
SWEET CHORUS							
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0
AATREX	1.5 PT/A	PRE					
SWEET RHYTHM							
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0
AATREX	1.5 PT/A	PRE					
GH 0937							
LUMAX	3 QT/A	PRE		0	0	0	2
GSS 0966							
LUMAX	3 QT/A	PRE		0	0	0	0
HMX 0351							
LUMAX	3 QT/A	PRE		0	0	0	0
KANDY KORN							
LUMAX	3 QT/A	PRE		0	0	0	0

The Ohio State University

SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit				%	%	%	%
Rating Date				6/5/03	6/5/03	6/5/03	6/19/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	3	4
SERENDIPITY							
LUMAX		3 QT/A	PRE	0	0	0	2
SWEET CHORUS							
LUMAX		3 QT/A	PRE	0	0	0	0
SWEET RHYTHM							
LUMAX		3 QT/A	PRE	0	0	0	0
GH 0937							
LUMAX		6 QT/A	PRE	0	0	0	8
GSS 0966							
LUMAX		6 QT/A	PRE	0	0	0	5
HMX 0351							
LUMAX		6 QT/A	PRE	0	0	0	0
KANDY KORN							
LUMAX		6 QT/A	PRE	0	0	0	0
SERENDIPITY							
LUMAX		6 QT/A	PRE	0	0	0	7
SWEET CHORUS							
LUMAX		6 QT/A	PRE	0	0	0	0
SWEET RHYTHM							
LUMAX		6 QT/A	PRE	0	0	0	0
GH 0937							
DUAL 2 MAGNUM+		2 PT/A	PRE	0	0	0	0
AATREX		1.5 PT/A	PRE				
CALLISTO+		3 OZ/A	POST				
AATREX+		0.5 PT/A	POST				
COC		1.6 PT/A	POST				

The Ohio State University

SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit				%	%	%	%
Rating Date				6/5/03	6/5/03	6/5/03	6/19/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	3	4

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

SERENDIPITY

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

SWEET CHORUS

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit				%	%	%	%
Rating Date				6/5/03	6/5/03	6/5/03	6/19/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	3	4

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit				%	%	%	%
Rating Date				6/5/03	6/5/03	6/5/03	6/19/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	3	4

SERENDIPITY

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

SWEET CHORUS

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

GH 0937

OPTION+	1.5 OZ/A	POST	0	0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

GSS 0966

OPTION+	1.5 OZ/A	POST	0	0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

HMX 0351

OPTION+	1.5 OZ/A	POST	0	0	0	0
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit				%	%	%	%
Rating Date				6/5/03	6/5/03	6/5/03	6/19/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	1	2	3	4
KANDY KORN							
OPTION+	1.5 OZ/A	POST		0	0	0	0
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
SERENDIPITY							
OPTION+	1.5 OZ/A	POST		0	0	0	0
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
SWEET CHORUS							
OPTION+	1.5 OZ/A	POST		0	0	0	0
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
SWEET RHYTHM							
OPTION+	1.5 OZ/A	POST		0	0	0	0
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
LSD (P=.05)				0	0	0	2.3
Standard Deviation				0	0	0	1.4
CV				0	0	0	256.31

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT	PLANT
Rating Data Type				STUNT	INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit				%	%	%	%	%
Rating Date				6/19/03	6/19/03	6/23/03	6/23/03	6/23/03
Treatment	Product	Product	Grow					
Name	Rate	Rate Unit	Stg	5	6	7	8	9
GH 0937								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
GSS 0966								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
HMX 0351								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
KANDY KORN								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
SERENDIPITY								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
SWEET CHORUS								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
SWEET RHYTHM								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
GH 0937								
LUMAX	3 QT/A	PRE		0	2	2	0	2
GSS 0966								
LUMAX	3 QT/A	PRE		0	0	0	0	0
HMX 0351								
LUMAX	3 QT/A	PRE		0	0	0	0	0
KANDY KORN								
LUMAX	3 QT/A	PRE		0	0	0	0	0

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT	PLANT
Rating Data Type				STUNT	INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit				%	%	%	%	%
Rating Date				6/19/03	6/19/03	6/23/03	6/23/03	6/23/03

Treatment	Product	Product	Grow					
Name	Rate	Rate Unit	Stg	5	6	7	8	9

SERENDIPITY

LUMAX	3 QT/A	PRE	0	2	2	0	2
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SWEET CHORUS

LUMAX	3 QT/A	PRE	0	0	0	0	0
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SWEET RHYTHM

LUMAX	3 QT/A	PRE	0	0	0	0	0
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GH 0937

LUMAX	6 QT/A	PRE	0	7	8	0	7
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GSS 0966

LUMAX	6 QT/A	PRE	0	3	5	0	3
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HMX 0351

LUMAX	6 QT/A	PRE	0	0	0	0	0
-------	--------	-----	---	---	---	---	---

KANDY KORN

LUMAX	6 QT/A	PRE	0	0	0	0	0
-------	--------	-----	---	---	---	---	---

SERENDIPITY

LUMAX	6 QT/A	PRE	0	7	7	0	7
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SWEET CHORUS

LUMAX	6 QT/A	PRE	0	0	0	0	0
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SWEET RHYTHM

LUMAX	6 QT/A	PRE	0	0	0	0	0
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GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0	0
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	0.5 PT/A	POST					
COC	1.6 PT/A	POST					

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT	PLANT
Rating Data Type				STUNT	INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit				%	%	%	%	%
Rating Date				6/19/03	6/19/03	6/23/03	6/23/03	6/23/03
Treatment	Product	Product	Grow					
Name	Rate	Rate Unit	Stg	5	6	7	8	9
GSS 0966								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	0.5 PT/A	POST						
COC	1.6 PT/A	POST						
HMX 0351								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	0.5 PT/A	POST						
COC	1.6 PT/A	POST						
KANDY KORN								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	0.5 PT/A	POST						
COC	1.6 PT/A	POST						
SERENDIPITY								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	0.5 PT/A	POST						
COC	1.6 PT/A	POST						
SWEET CHORUS								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	0.5 PT/A	POST						
COC	1.6 PT/A	POST						

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT	PLANT
Rating Data Type				STUNT	INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit				%	%	%	%	%
Rating Date				6/19/03	6/19/03	6/23/03	6/23/03	6/23/03
Treatment	Product	Product	Grow					
Name	Rate	Rate Unit	Stg	5	6	7	8	9

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0	0
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	0.5 PT/A	POST					
COC	1.6 PT/A	POST					

GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0	0
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0	0
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0	0
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	0	0	0	0	0
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT	PLANT
Rating Data Type				STUNT	INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit				%	%	%	%	%
Rating Date				6/19/03	6/19/03	6/23/03	6/23/03	6/23/03
Treatment	Product	Product	Grow					
Name	Rate	Rate Unit	Stg	5	6	7	8	9
SERENDIPITY								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	1 PT/A	POST						
COC	1.6 PT/A	POST						
SWEET CHORUS								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	1 PT/A	POST						
COC	1.6 PT/A	POST						
SWEET RHYTHM								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	1 PT/A	POST						
COC	1.6 PT/A	POST						
GH 0937								
OPTION+	1.5 OZ/A	POST		0	0	0	0	0
MSO+	1.5 PT/A	POST						
UAN	2 QT/A	POST						
GSS 0966								
OPTION+	1.5 OZ/A	POST		0	0	0	0	0
MSO+	1.5 PT/A	POST						
UAN	2 QT/A	POST						
HMX 0351								
OPTION+	1.5 OZ/A	POST		0	0	0	0	0
MSO+	1.5 PT/A	POST						
UAN	2 QT/A	POST						

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT	PLANT
Rating Data Type				STUNT	INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit				%	%	%	%	%
Rating Date				6/19/03	6/19/03	6/23/03	6/23/03	6/23/03
Treatment	Product	Product	Grow					
Name	Rate	Rate Unit	Stg	5	6	7	8	9
KANDY KORN								
OPTION+	1.5 OZ/A	POST		0	0	0	0	0
MSO+	1.5 PT/A	POST						
UAN	2 QT/A	POST						
SERENDIPITY								
OPTION+	1.5 OZ/A	POST		0	0	0	0	0
MSO+	1.5 PT/A	POST						
UAN	2 QT/A	POST						
SWEET CHORUS								
OPTION+	1.5 OZ/A	POST		0	0	0	0	0
MSO+	1.5 PT/A	POST						
UAN	2 QT/A	POST						
SWEET RHYTHM								
OPTION+	1.5 OZ/A	POST		0	0	0	0	0
MSO+	1.5 PT/A	POST						
UAN	2 QT/A	POST						
LSD (P=.05)				0	2.1	2.3	0	2.1
Standard Deviation				0	1.3	1.4	0	1.3
CV				0	266.58	256.31	0	266.58

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit				%	%	%	%
Rating Date				7/8/03	7/8/03	7/8/03	7/15/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	10	11	12	13
GH 0937							
DUAL 2 MAGNUM+	2 PT/A	PRE		5	3	3	3
AATREX	1.5 PT/A	PRE					
GSS 0966							
DUAL 2 MAGNUM+	2 PT/A	PRE		3	0	0	0
AATREX	1.5 PT/A	PRE					
HMX 0351							
DUAL 2 MAGNUM+	2 PT/A	PRE		10	2	5	10
AATREX	1.5 PT/A	PRE					
KANDY KORN							
DUAL 2 MAGNUM+	2 PT/A	PRE		5	2	2	7
AATREX	1.5 PT/A	PRE					
SERENDIPITY							
DUAL 2 MAGNUM+	2 PT/A	PRE		2	0	0	2
AATREX	1.5 PT/A	PRE					
SWEET CHORUS							
DUAL 2 MAGNUM+	2 PT/A	PRE		15	3	3	10
AATREX	1.5 PT/A	PRE					
SWEET RHYTHM							
DUAL 2 MAGNUM+	2 PT/A	PRE		15	3	3	10
AATREX	1.5 PT/A	PRE					
GH 0937							
LUMAX	3 QT/A	PRE		7	2	2	5
GSS 0966							
LUMAX	3 QT/A	PRE		12	5	5	7
HMX 0351							
LUMAX	3 QT/A	PRE		18	8	5	11
KANDY KORN							
LUMAX	3 QT/A	PRE		7	2	2	3

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit				%	%	%	%
Rating Date				7/8/03	7/8/03	7/8/03	7/15/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	10	11	12	13

SERENDIPITY

LUMAX	3 QT/A	PRE	3	2	2	3
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SWEET CHORUS

LUMAX	3 QT/A	PRE	12	3	0	10
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SWEET RHYTHM

LUMAX	3 QT/A	PRE	12	7	5	5
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GH 0937

LUMAX	6 QT/A	PRE	7	5	3	7
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GSS 0966

LUMAX	6 QT/A	PRE	5	3	3	7
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HMX 0351

LUMAX	6 QT/A	PRE	17	5	5	12
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KANDY KORN

LUMAX	6 QT/A	PRE	8	3	3	5
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SERENDIPITY

LUMAX	6 QT/A	PRE	3	3	2	3
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SWEET CHORUS

LUMAX	6 QT/A	PRE	8	2	3	5
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SWEET RHYTHM

LUMAX	6 QT/A	PRE	10	3	3	8
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GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	7	3	3	3
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

The Ohio State University

SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit				%	%	%	%
Rating Date				7/8/03	7/8/03	7/8/03	7/15/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	10	11	12	13

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	7	3	3	5
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	15	3	5	13
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	8	2	3	7
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

SERENDIPITY

DUAL 2 MAGNUM+	2 PT/A	PRE	3	2	0	3
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

SWEET CHORUS

DUAL 2 MAGNUM+	2 PT/A	PRE	13	5	7	10
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

The Ohio State University

SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit				%	%	%	%
Rating Date				7/8/03	7/8/03	7/8/03	7/15/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	10	11	12	13

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	10	3	3	7
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	8	5	3	5
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	10	5	3	5
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	13	7	7	13
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	7	3	3	7
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

The Ohio State University

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit				%	%	%	%
Rating Date				7/8/03	7/8/03	7/8/03	7/15/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	10	11	12	13
SERENDIPITY							
DUAL 2 MAGNUM+	2 PT/A	PRE		5	2	2	3
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					
SWEET CHORUS							
DUAL 2 MAGNUM+	2 PT/A	PRE		10	3	3	8
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					
SWEET RHYTHM							
DUAL 2 MAGNUM+	2 PT/A	PRE		15	3	3	12
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					
GH 0937							
OPTION+	1.5 OZ/A	POST		12	12	13	10
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
GSS 0966							
OPTION+	1.5 OZ/A	POST		15	13	10	10
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
HMX 0351							
OPTION+	1.5 OZ/A	POST		13	12	10	18
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit				%	%	%	%
Rating Date				7/8/03	7/8/03	7/8/03	7/15/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	10	11	12	13
KANDY KORN							
OPTION+	1.5 OZ/A	POST		13	10	10	7
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
SERENDIPITY							
OPTION+	1.5 OZ/A	POST		8	5	5	5
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
SWEET CHORUS							
OPTION+	1.5 OZ/A	POST		25	25	25	30
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
SWEET RHYTHM							
OPTION+	1.5 OZ/A	POST		22	17	18	13
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
LSD (P=.05)				8	5.8	6.6	8.1
Standard Deviation				4.9	3.6	4	5
CV				48.79	71.28	84.19	63.92

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT	PLANT
Rating Data Type				STUNT	INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit				%	%	%	%	%
Rating Date				7/15/03	7/15/03	7/29/03	7/29/03	7/29/03
Treatment	Product	Product	Grow					
Name	Rate	Rate Unit	Stg	14	15	16	17	18
GH 0937								
DUAL 2 MAGNUM+	2 PT/A	PRE		2	3	0	0	0
AATREX	1.5 PT/A	PRE						
GSS 0966								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	0	0	0	0
AATREX	1.5 PT/A	PRE						
HMX 0351								
DUAL 2 MAGNUM+	2 PT/A	PRE		5	8	5	0	8
AATREX	1.5 PT/A	PRE						
KANDY KORN								
DUAL 2 MAGNUM+	2 PT/A	PRE		2	7	3	0	0
AATREX	1.5 PT/A	PRE						
SERENDIPITY								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	2	2	0	2
AATREX	1.5 PT/A	PRE						
SWEET CHORUS								
DUAL 2 MAGNUM+	2 PT/A	PRE		7	10	3	2	5
AATREX	1.5 PT/A	PRE						
SWEET RHYTHM								
DUAL 2 MAGNUM+	2 PT/A	PRE		2	8	3	0	3
AATREX	1.5 PT/A	PRE						
GH 0937								
LUMAX	3 QT/A	PRE		2	5	0	0	0
GSS 0966								
LUMAX	3 QT/A	PRE		5	5	0	0	0
HMX 0351								
LUMAX	3 QT/A	PRE		7	12	7	3	10
KANDY KORN								
LUMAX	3 QT/A	PRE		0	2	0	0	0

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT	PLANT
Rating Data Type				STUNT	INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit				%	%	%	%	%
Rating Date				7/15/03	7/15/03	7/29/03	7/29/03	7/29/03

Treatment	Product	Product	Grow					
Name	Rate	Rate Unit	Stg	14	15	16	17	18

SERENDIPITY

LUMAX	3 QT/A	PRE	5	3	0	2	2
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SWEET CHORUS

LUMAX	3 QT/A	PRE	0	10	3	0	3
-------	--------	-----	---	----	---	---	---

SWEET RHYTHM

LUMAX	3 QT/A	PRE	2	5	0	0	0
-------	--------	-----	---	---	---	---	---

GH 0937

LUMAX	6 QT/A	PRE	5	7	0	0	0
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GSS 0966

LUMAX	6 QT/A	PRE	7	7	2	0	2
-------	--------	-----	---	---	---	---	---

HMX 0351

LUMAX	6 QT/A	PRE	3	10	2	0	2
-------	--------	-----	---	----	---	---	---

KANDY KORN

LUMAX	6 QT/A	PRE	3	3	2	0	3
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SERENDIPITY

LUMAX	6 QT/A	PRE	3	3	2	0	2
-------	--------	-----	---	---	---	---	---

SWEET CHORUS

LUMAX	6 QT/A	PRE	2	5	2	0	2
-------	--------	-----	---	---	---	---	---

SWEET RHYTHM

LUMAX	6 QT/A	PRE	2	8	2	0	2
-------	--------	-----	---	---	---	---	---

GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	0	3	0	0	0
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	0.5 PT/A	POST					
COC	1.6 PT/A	POST					

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT	PLANT
Rating Data Type				STUNT	INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit				%	%	%	%	%
Rating Date				7/15/03	7/15/03	7/29/03	7/29/03	7/29/03
Treatment	Product	Product	Grow					
Name	Rate	Rate Unit	Stg	14	15	16	17	18
GSS 0966								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	2	2	0	2
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	0.5 PT/A	POST						
COC	1.6 PT/A	POST						
HMX 0351								
DUAL 2 MAGNUM+	2 PT/A	PRE		7	13	7	0	7
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	0.5 PT/A	POST						
COC	1.6 PT/A	POST						
KANDY KORN								
DUAL 2 MAGNUM+	2 PT/A	PRE		0	7	3	0	3
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	0.5 PT/A	POST						
COC	1.6 PT/A	POST						
SERENDIPITY								
DUAL 2 MAGNUM+	2 PT/A	PRE		5	5	0	0	0
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	0.5 PT/A	POST						
COC	1.6 PT/A	POST						
SWEET CHORUS								
DUAL 2 MAGNUM+	2 PT/A	PRE		7	10	8	3	12
AATREX	1.5 PT/A	PRE						
CALLISTO+	3 OZ/A	POST						
AATREX+	0.5 PT/A	POST						
COC	1.6 PT/A	POST						

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT	PLANT
Rating Data Type				STUNT	INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit				%	%	%	%	%
Rating Date				7/15/03	7/15/03	7/29/03	7/29/03	7/29/03
Treatment	Product	Product	Grow					
Name	Rate	Rate Unit	Stg	14	15	16	17	18

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	3	7	2	0	2
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	0.5 PT/A	POST					
COC	1.6 PT/A	POST					

GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	3	5	0	0	0
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	8	8	0	0	0
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	5	13	7	0	7
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	2	5	2	0	2
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT	PLANT
Rating Data Type				STUNT	INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit				%	%	%	%	%
Rating Date				7/15/03	7/15/03	7/29/03	7/29/03	7/29/03
Treatment	Product	Product	Grow					
Name	Rate	Rate Unit	Stg	14	15	16	17	18

SERENDIPITY

DUAL 2 MAGNUM+	2 PT/A	PRE	3	3	0	3	3
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					

SWEET CHORUS

DUAL 2 MAGNUM+	2 PT/A	PRE	3	8	7	0	7
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	3	12	5	0	5
AATREX	1.5 PT/A	PRE					
CALLISTO+	3 OZ/A	POST					
AATREX+	1 PT/A	POST					
COC	1.6 PT/A	POST					

GH 0937

OPTION+	1.5 OZ/A	POST	10	12	3	0	3
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					

GSS 0966

OPTION+	1.5 OZ/A	POST	15	15	3	7	10
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					

HMX 0351

OPTION+	1.5 OZ/A	POST	17	23	12	3	13
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					

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Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT	PLANT
Rating Data Type				STUNT	INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit				%	%	%	%	%
Rating Date				7/15/03	7/15/03	7/29/03	7/29/03	7/29/03
Treatment	Product	Product	Grow					
Name	Rate	Rate Unit	Stg	14	15	16	17	18
KANDY KORN								
OPTION+	1.5 OZ/A	POST		10	10	7	8	15
MSO+	1.5 PT/A	POST						
UAN	2 QT/A	POST						
SERENDIPITY								
OPTION+	1.5 OZ/A	POST		7	7	2	5	7
MSO+	1.5 PT/A	POST						
UAN	2 QT/A	POST						
SWEET CHORUS								
OPTION+	1.5 OZ/A	POST		17	27	17	10	23
MSO+	1.5 PT/A	POST						
UAN	2 QT/A	POST						
SWEET RHYTHM								
OPTION+	1.5 OZ/A	POST		12	15	10	8	18
MSO+	1.5 PT/A	POST						
UAN	2 QT/A	POST						
LSD (P=.05)				5.3	7	4.7	5.5	8.6
Standard Deviation				3.3	4.3	2.9	3.3	5.3
CV				68.83	53.84	91.11	255.49	120.37

The Ohio State University

SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				BUGGY WHIP	HEIGHT	HEIGHT	HEIGHT
Rating Unit				%	FT/IN	FT/IN	FT/IN
Rating Date				7/29/03	8/11/03	8/11/03	8/11/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	19	20	21	22

GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	0	6	6	6
AATREX	1.5 PT/A	PRE				

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	0	7	6	6
AATREX	1.5 PT/A	PRE				

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	7	6	6	6
AATREX	1.5 PT/A	PRE				

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	0	7	7	7
AATREX	1.5 PT/A	PRE				

SERENDIPITY

DUAL 2 MAGNUM+	2 PT/A	PRE	2	5	5	5
AATREX	1.5 PT/A	PRE				

SWEET CHORUS

DUAL 2 MAGNUM+	2 PT/A	PRE	2	6	6	6
AATREX	1.5 PT/A	PRE				

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	0	6	6	6
AATREX	1.5 PT/A	PRE				

GH 0937

LUMAX	3 QT/A	PRE	0	7	7	6
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GSS 0966

LUMAX	3 QT/A	PRE	0	6	6	6
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HMX 0351

LUMAX	3 QT/A	PRE	2	6	6	6
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KANDY KORN

LUMAX	3 QT/A	PRE	0	8	7	7
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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				BUGGY WHIP	HEIGHT	HEIGHT	HEIGHT
Rating Unit				%	FT/IN	FT/IN	FT/IN
Rating Date				7/29/03	8/11/03	8/11/03	8/11/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	19	20	21	22

SERENDIPITY

LUMAX	3 QT/A	PRE	0	5	5	5
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SWEET CHORUS

LUMAX	3 QT/A	PRE	0	6	6	5
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SWEET RHYTHM

LUMAX	3 QT/A	PRE	0	6	6	6
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GH 0937

LUMAX	6 QT/A	PRE	0	6	6	6
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GSS 0966

LUMAX	6 QT/A	PRE	0	6	7	6
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HMX 0351

LUMAX	6 QT/A	PRE	0	6	5	6
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KANDY KORN

LUMAX	6 QT/A	PRE	0	7	7	6
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SERENDIPITY

LUMAX	6 QT/A	PRE	0	6	6	5
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SWEET CHORUS

LUMAX	6 QT/A	PRE	0	6	6	5
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SWEET RHYTHM

LUMAX	6 QT/A	PRE	0	6	6	6
-------	--------	-----	---	---	---	---

GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	0	6	6	6
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

The Ohio State University

SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				BUGGY WHIP	HEIGHT	HEIGHT	HEIGHT
Rating Unit				%	FT/IN	FT/IN	FT/IN
Rating Date				7/29/03	8/11/03	8/11/03	8/11/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	19	20	21	22

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	0	6	7	6
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	0	6	5	6
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	0	7	8	7
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

SERENDIPITY

DUAL 2 MAGNUM+	2 PT/A	PRE	0	5	5	5
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

SWEET CHORUS

DUAL 2 MAGNUM+	2 PT/A	PRE	2	6	6	6
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				BUGGY WHIP	HEIGHT	HEIGHT	HEIGHT
Rating Unit				%	FT/IN	FT/IN	FT/IN
Rating Date				7/29/03	8/11/03	8/11/03	8/11/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	19	20	21	22

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	0	6	6	5
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	0	6	6	6
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	0	7	6	6
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	3	6	6	6
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	3	7	7	8
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

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Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				BUGGY WHIP	HEIGHT	HEIGHT	HEIGHT
Rating Unit				%	FT/IN	FT/IN	FT/IN
Rating Date				7/29/03	8/11/03	8/11/03	8/11/03

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	19	20	21	22

SERENDIPITY

DUAL 2 MAGNUM+	2 PT/A	PRE	0	5	6	5
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

SWEET CHORUS

DUAL 2 MAGNUM+	2 PT/A	PRE	2	6	6	5
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	0	6	6	6
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				

GH 0937

OPTION+	1.5 OZ/A	POST	0	6	6	6
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

GSS 0966

OPTION+	1.5 OZ/A	POST	2	6	6	6
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

HMX 0351

OPTION+	1.5 OZ/A	POST	3	6	6	6
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

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Trial ID: SCCALVARWOOS2003

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Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	PLANT	PLANT	PLANT
Rating Data Type				BUGGY WHIP	HEIGHT	HEIGHT	HEIGHT
Rating Unit				%	FT/IN	FT/IN	FT/IN
Rating Date				7/29/03	8/11/03	8/11/03	8/11/03
Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg	19	20	21	22
KANDY KORN							
OPTION+	1.5 OZ/A	POST		3	7	7	7
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
SERENDIPITY							
OPTION+	1.5 OZ/A	POST		0	5	5	6
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
SWEET CHORUS							
OPTION+	1.5 OZ/A	POST		8	6	6	6
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
SWEET RHYTHM							
OPTION+	1.5 OZ/A	POST		3	6	5	6
MSO+	1.5 PT/A	POST					
UAN	2 QT/A	POST					
LSD (P=.05)				4.1	0.7	0.9	0.7
Standard Deviation				2.5	0.4	0.5	0.4
CV				255.54	7.35	8.69	7.07

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	# EARS	WT.
Rating Data Type				STAND CT.	SYNG.FANCY	SYNG.FANCY
Rating Unit				2 ROWS	PER PLOT	LBS/PLOT
Rating Date				8/1/03	8/14/03	8/14/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	23	24	25
GH 0937						
DUAL 2 MAGNUM+	2 PT/A	PRE		49	24	11.7
AATREX	1.5 PT/A	PRE				
GSS 0966						
DUAL 2 MAGNUM+	2 PT/A	PRE		47	23	10.8
AATREX	1.5 PT/A	PRE				
HMX 0351						
DUAL 2 MAGNUM+	2 PT/A	PRE		40	23	14.5
AATREX	1.5 PT/A	PRE				
KANDY KORN						
DUAL 2 MAGNUM+	2 PT/A	PRE		44	2	1.3
AATREX	1.5 PT/A	PRE				
SERENDIPITY						
DUAL 2 MAGNUM+	2 PT/A	PRE		44	15	8.3
AATREX	1.5 PT/A	PRE				
SWEET CHORUS						
DUAL 2 MAGNUM+	2 PT/A	PRE		40	9	3.7
AATREX	1.5 PT/A	PRE				
SWEET RHYTHM						
DUAL 2 MAGNUM+	2 PT/A	PRE		49	19	7.7
AATREX	1.5 PT/A	PRE				
GH 0937						
LUMAX	3 QT/A	PRE		52	24	12
GSS 0966						
LUMAX	3 QT/A	PRE		40	25	11.2
HMX 0351						
LUMAX	3 QT/A	PRE		41	26	10.3
KANDY KORN						
LUMAX	3 QT/A	PRE		45	5	2.8

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	# EARS	WT.
Rating Data Type				STAND CT.	SYNG.FANCY	SYNG.FANCY
Rating Unit				2 ROWS	PER PLOT	LBS/PLOT
Rating Date				8/1/03	8/14/03	8/14/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	23	24	25
SERENDIPITY						
LUMAX		3 QT/A	PRE	44	16	8
SWEET CHORUS						
LUMAX		3 QT/A	PRE	45	18	7.4
SWEET RHYTHM						
LUMAX		3 QT/A	PRE	42	21	8.2
GH 0937						
LUMAX		6 QT/A	PRE	39	23	11.2
GSS 0966						
LUMAX		6 QT/A	PRE	49	20	9.2
HMX 0351						
LUMAX		6 QT/A	PRE	36	22	12.4
KANDY KORN						
LUMAX		6 QT/A	PRE	45	8	4.6
SERENDIPITY						
LUMAX		6 QT/A	PRE	54	18	9.1
SWEET CHORUS						
LUMAX		6 QT/A	PRE	45	14	5.8
SWEET RHYTHM						
LUMAX		6 QT/A	PRE	48	27	11.1
GH 0937						
DUAL 2 MAGNUM+		2 PT/A	PRE	52	33	16.1
AATREX		1.5 PT/A	PRE			
CALLISTO+		3 OZ/A	POST			
AATREX+		0.5 PT/A	POST			
COC		1.6 PT/A	POST			

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	# EARS	WT.
Rating Data Type				STAND CT.	SYNG.FANCY	SYNG.FANCY
Rating Unit				2 ROWS	PER PLOT	LBS/PLOT
Rating Date				8/1/03	8/14/03	8/14/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	23	24	25
GSS 0966						
DUAL 2 MAGNUM+	2 PT/A	PRE		52	22	10.6
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				
HMX 0351						
DUAL 2 MAGNUM+	2 PT/A	PRE		41	24	9.9
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				
KANDY KORN						
DUAL 2 MAGNUM+	2 PT/A	PRE		39	6	3.4
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				
SERENDIPITY						
DUAL 2 MAGNUM+	2 PT/A	PRE		42	12	6.6
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				
SWEET CHORUS						
DUAL 2 MAGNUM+	2 PT/A	PRE		38	17	6.9
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	0.5 PT/A	POST				
COC	1.6 PT/A	POST				

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	# EARS	WT.
Rating Data Type				STAND CT.	SYNG.FANCY	SYNG.FANCY
Rating Unit				2 ROWS	PER PLOT	LBS/PLOT
Rating Date				8/1/03	8/14/03	8/14/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	23	24	25

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	44	21	8.6
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	0.5 PT/A	POST			
COC	1.6 PT/A	POST			

GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	44	28	13.3
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	1 PT/A	POST			
COC	1.6 PT/A	POST			

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	40	24	7.8
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	1 PT/A	POST			
COC	1.6 PT/A	POST			

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	40	27	11.5
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	1 PT/A	POST			
COC	1.6 PT/A	POST			

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	43	6	3.2
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	1 PT/A	POST			
COC	1.6 PT/A	POST			

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Trial ID: SCCALVARWOOS2003

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Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	# EARS	WT.
Rating Data Type				STAND CT.	SYNG.FANCY	SYNG.FANCY
Rating Unit				2 ROWS	PER PLOT	LBS/PLOT
Rating Date				8/1/03	8/14/03	8/14/03

Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	23	24	25

SERENDIPITY

DUAL 2 MAGNUM+	2 PT/A	PRE	36	14	7.7
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	1 PT/A	POST			
COC	1.6 PT/A	POST			

SWEET CHORUS

DUAL 2 MAGNUM+	2 PT/A	PRE	36	10	4.1
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	1 PT/A	POST			
COC	1.6 PT/A	POST			

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	36	21	8.6
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	1 PT/A	POST			
COC	1.6 PT/A	POST			

GH 0937

OPTION+	1.5 OZ/A	POST	45	30	13.8
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			

GSS 0966

OPTION+	1.5 OZ/A	POST	40	10	4.8
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			

HMX 0351

OPTION+	1.5 OZ/A	POST	38	17	7.2
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			

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Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				PLANT	# EARS	WT.
Rating Data Type				STAND CT.	SYNG.FANCY	SYNG.FANCY
Rating Unit				2 ROWS	PER PLOT	LBS/PLOT
Rating Date				8/1/03	8/14/03	8/14/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	23	24	25
KANDY KORN						
OPTION+	1.5 OZ/A	POST		41	3	1.8
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SERENDIPITY						
OPTION+	1.5 OZ/A	POST		46	17	7.9
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SWEET CHORUS						
OPTION+	1.5 OZ/A	POST		42	5	1.8
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SWEET RHYTHM						
OPTION+	1.5 OZ/A	POST		44	11	6
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
LSD (P=.05)				11.3	9.3	5.07
Standard Deviation				6.9	5.7	3.1
CV				15.94	32.36	38.03

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Trial ID: SCCALVARWOOS2003

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Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				# EARS	WT.	#EARS
Rating Data Type				US FANCY	US FANCY	TOTAL MKTB.
Rating Unit				PER PLOT	LBS/PLOT	NUMBER
Rating Date				8/14/03	8/14/03	8/14/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	26	27	30
GH 0937						
DUAL 2 MAGNUM+	2 PT/A	PRE		15	6.8	39
AATREX	1.5 PT/A	PRE				
GSS 0966						
DUAL 2 MAGNUM+	2 PT/A	PRE		15	5.9	37
AATREX	1.5 PT/A	PRE				
HMX 0351						
DUAL 2 MAGNUM+	2 PT/A	PRE		1	1.6	24
AATREX	1.5 PT/A	PRE				
KANDY KORN						
DUAL 2 MAGNUM+	2 PT/A	PRE		30	15.1	33
AATREX	1.5 PT/A	PRE				
SERENDIPITY						
DUAL 2 MAGNUM+	2 PT/A	PRE		17	7.8	32
AATREX	1.5 PT/A	PRE				
SWEET CHORUS						
DUAL 2 MAGNUM+	2 PT/A	PRE		18	6.8	28
AATREX	1.5 PT/A	PRE				
SWEET RHYTHM						
DUAL 2 MAGNUM+	2 PT/A	PRE		19	6.5	38
AATREX	1.5 PT/A	PRE				
GH 0937						
LUMAX	3 QT/A	PRE		10	4.1	34
GSS 0966						
LUMAX	3 QT/A	PRE		7	3.1	32
HMX 0351						
LUMAX	3 QT/A	PRE		5	1.8	31
KANDY KORN						
LUMAX	3 QT/A	PRE		22	10.9	27

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Trial ID: SCCALVARWOOS2003

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Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				# EARS	WT.	#EARS
Rating Data Type				US FANCY	US FANCY	TOTAL MKTB.
Rating Unit				PER PLOT	LBS/PLOT	NUMBER
Rating Date				8/14/03	8/14/03	8/14/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	26	27	30
SERENDIPITY						
LUMAX		3 QT/A	PRE	18	7.8	34
SWEET CHORUS						
LUMAX		3 QT/A	PRE	17	6.4	36
SWEET RHYTHM						
LUMAX		3 QT/A	PRE	10	3.5	31
GH 0937						
LUMAX		6 QT/A	PRE	11	4.4	34
GSS 0966						
LUMAX		6 QT/A	PRE	10	4.5	30
HMX 0351						
LUMAX		6 QT/A	PRE	0	0.4	22
KANDY KORN						
LUMAX		6 QT/A	PRE	21	10.2	29
SERENDIPITY						
LUMAX		6 QT/A	PRE	13	5.9	31
SWEET CHORUS						
LUMAX		6 QT/A	PRE	18	7.1	32
SWEET RHYTHM						
LUMAX		6 QT/A	PRE	5	1.8	33
GH 0937						
DUAL 2 MAGNUM+		2 PT/A	PRE	10	3.8	43
AATREX		1.5 PT/A	PRE			
CALLISTO+		3 OZ/A	POST			
AATREX+		0.5 PT/A	POST			
COC		1.6 PT/A	POST			

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				# EARS	WT.	#EARS
Rating Data Type				US FANCY	US FANCY	TOTAL MKTB.
Rating Unit				PER PLOT	LBS/PLOT	NUMBER
Rating Date				8/14/03	8/14/03	8/14/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	26	27	30

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	13	5.6	36
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	0.5 PT/A	POST			
COC	1.6 PT/A	POST			

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	3	0.9	27
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	0.5 PT/A	POST			
COC	1.6 PT/A	POST			

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	25	12.7	31
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	0.5 PT/A	POST			
COC	1.6 PT/A	POST			

SERENDIPITY

DUAL 2 MAGNUM+	2 PT/A	PRE	16	7.4	28
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	0.5 PT/A	POST			
COC	1.6 PT/A	POST			

SWEET CHORUS

DUAL 2 MAGNUM+	2 PT/A	PRE	15	5.7	32
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	0.5 PT/A	POST			
COC	1.6 PT/A	POST			

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				# EARS	WT.	#EARS
Rating Data Type				US FANCY	US FANCY	TOTAL MKTB.
Rating Unit				PER PLOT	LBS/PLOT	NUMBER
Rating Date				8/14/03	8/14/03	8/14/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	26	27	30

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	15	5.1	36
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	0.5 PT/A	POST			
COC	1.6 PT/A	POST			

GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	13	5.4	41
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	1 PT/A	POST			
COC	1.6 PT/A	POST			

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	12	4.7	35
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	1 PT/A	POST			
COC	1.6 PT/A	POST			

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	1	0.3	28
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	1 PT/A	POST			
COC	1.6 PT/A	POST			

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	24	12.4	30
AATREX	1.5 PT/A	PRE			
CALLISTO+	3 OZ/A	POST			
AATREX+	1 PT/A	POST			
COC	1.6 PT/A	POST			

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				# EARS	WT.	#EARS
Rating Data Type				US FANCY	US FANCY	TOTAL MKTB.
Rating Unit				PER PLOT	LBS/PLOT	NUMBER
Rating Date				8/14/03	8/14/03	8/14/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	26	27	30
SERENDIPITY						
DUAL 2 MAGNUM+	2 PT/A	PRE		23	11.3	37
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				
SWEET CHORUS						
DUAL 2 MAGNUM+	2 PT/A	PRE		19	7.6	29
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				
SWEET RHYTHM						
DUAL 2 MAGNUM+	2 PT/A	PRE		10	3.1	31
AATREX	1.5 PT/A	PRE				
CALLISTO+	3 OZ/A	POST				
AATREX+	1 PT/A	POST				
COC	1.6 PT/A	POST				
GH 0937						
OPTION+	1.5 OZ/A	POST		5	2	35
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
GSS 0966						
OPTION+	1.5 OZ/A	POST		11	4.3	22
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
HMX 0351						
OPTION+	1.5 OZ/A	POST		2	0.7	19
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS	ZEAMS
Part Rated				# EARS	WT.	#EARS
Rating Data Type				US FANCY	US FANCY	TOTAL MKTB.
Rating Unit				PER PLOT	LBS/PLOT	NUMBER
Rating Date				8/14/03	8/14/03	8/14/03
Treatment	Product	Product	Grow			
Name	Rate	Rate Unit	Stg	26	27	30
KANDY KORN						
OPTION+	1.5 OZ/A	POST		14	6.8	18
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SERENDIPITY						
OPTION+	1.5 OZ/A	POST		12	4.8	29
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SWEET CHORUS						
OPTION+	1.5 OZ/A	POST		14	4.3	19
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
SWEET RHYTHM						
OPTION+	1.5 OZ/A	POST		10	3.3	21
MSO+	1.5 PT/A	POST				
UAN	2 QT/A	POST				
LSD (P=.05)				11	4.61	10.4
Standard Deviation				6.7	2.82	6.3
CV				51.32	50.59	20.61

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS
Part Rated				WT.	WT.
Rating Data Type				TOTAL MKTB.	TOTAL MKTB.
Rating Unit				LBS/PLOT	TONS/A.
Rating Date				8/14/03	8/14/03
Treatment	Product	Product	Grow		
Name	Rate	Rate Unit	Stg	31	32
GH 0937					
DUAL 2 MAGNUM+	2	PT/A	PRE	19	3.2
AATREX	1.5	PT/A	PRE		
GSS 0966					
DUAL 2 MAGNUM+	2	PT/A	PRE	17	2.9
AATREX	1.5	PT/A	PRE		
HMX 0351					
DUAL 2 MAGNUM+	2	PT/A	PRE	16	2.8
AATREX	1.5	PT/A	PRE		
KANDY KORN					
DUAL 2 MAGNUM+	2	PT/A	PRE	16	2.9
AATREX	1.5	PT/A	PRE		
SERENDIPITY					
DUAL 2 MAGNUM+	2	PT/A	PRE	16	2.8
AATREX	1.5	PT/A	PRE		
SWEET CHORUS					
DUAL 2 MAGNUM+	2	PT/A	PRE	10	1.8
AATREX	1.5	PT/A	PRE		
SWEET RHYTHM					
DUAL 2 MAGNUM+	2	PT/A	PRE	14	2.5
AATREX	1.5	PT/A	PRE		
GH 0937					
LUMAX	3	QT/A	PRE	16	2.8
GSS 0966					
LUMAX	3	QT/A	PRE	14	2.5
HMX 0351					
LUMAX	3	QT/A	PRE	12	2.1
KANDY KORN					
LUMAX	3	QT/A	PRE	14	2.4

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS
Part Rated				WT.	WT.
Rating Data Type				TOTAL MKTB.	TOTAL MKTB.
Rating Unit				LBS/PLOT	TONS/A.
Rating Date				8/14/03	8/14/03
Treatment	Product	Product	Grow		
Name	Rate	Rate Unit	Stg	31	32
SERENDIPITY					
LUMAX		3 QT/A	PRE	16	2.8
SWEET CHORUS					
LUMAX		3 QT/A	PRE	14	2.4
SWEET RHYTHM					
LUMAX		3 QT/A	PRE	12	2
GH 0937					
LUMAX		6 QT/A	PRE	16	2.7
GSS 0966					
LUMAX		6 QT/A	PRE	14	2.4
HMX 0351					
LUMAX		6 QT/A	PRE	13	2.2
KANDY KORN					
LUMAX		6 QT/A	PRE	15	2.6
SERENDIPITY					
LUMAX		6 QT/A	PRE	15	2.6
SWEET CHORUS					
LUMAX		6 QT/A	PRE	13	2.2
SWEET RHYTHM					
LUMAX		6 QT/A	PRE	13	2.2
GH 0937					
DUAL 2 MAGNUM+		2 PT/A	PRE	20	3.5
AATREX		1.5 PT/A	PRE		
CALLISTO+		3 OZ/A	POST		
AATREX+		0.5 PT/A	POST		
COC		1.6 PT/A	POST		

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS
Part Rated				WT.	WT.
Rating Data Type				TOTAL MKTB.	TOTAL MKTB.
Rating Unit				LBS/PLOT	TONS/A.
Rating Date				8/14/03	8/14/03

Treatment	Product	Product	Grow		
Name	Rate	Rate Unit	Stg	31	32

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	16	2.8
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	0.5 PT/A	POST		
COC	1.6 PT/A	POST		

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	11	1.9
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	0.5 PT/A	POST		
COC	1.6 PT/A	POST		

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	16	2.8
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	0.5 PT/A	POST		
COC	1.6 PT/A	POST		

SERENDIPITY

DUAL 2 MAGNUM+	2 PT/A	PRE	14	2.4
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	0.5 PT/A	POST		
COC	1.6 PT/A	POST		

SWEET CHORUS

DUAL 2 MAGNUM+	2 PT/A	PRE	13	2.2
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	0.5 PT/A	POST		
COC	1.6 PT/A	POST		

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS
Part Rated				WT.	WT.
Rating Data Type				TOTAL MKTB.	TOTAL MKTB.
Rating Unit				LBS/PLOT	TONS/A.
Rating Date				8/14/03	8/14/03

Treatment	Product	Product	Grow		
Name	Rate	Rate Unit	Stg	31	32

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	14	2.4
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	0.5 PT/A	POST		
COC	1.6 PT/A	POST		

GH 0937

DUAL 2 MAGNUM+	2 PT/A	PRE	19	3.3
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	1 PT/A	POST		
COC	1.6 PT/A	POST		

GSS 0966

DUAL 2 MAGNUM+	2 PT/A	PRE	13	2.2
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	1 PT/A	POST		
COC	1.6 PT/A	POST		

HMX 0351

DUAL 2 MAGNUM+	2 PT/A	PRE	12	2.1
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	1 PT/A	POST		
COC	1.6 PT/A	POST		

KANDY KORN

DUAL 2 MAGNUM+	2 PT/A	PRE	16	2.7
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	1 PT/A	POST		
COC	1.6 PT/A	POST		

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SWEET CORN - RESPONSE OF SEVEN VARIETIES TO CALLISTO, LUMAX, AND OPTION

Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS
Part Rated				WT.	WT.
Rating Data Type				TOTAL MKTB.	TOTAL MKTB.
Rating Unit				LBS/PLOT	TONS/A.
Rating Date				8/14/03	8/14/03

Treatment	Product	Product	Grow		
Name	Rate	Rate Unit	Stg	31	32

SERENDIPITY

DUAL 2 MAGNUM+	2 PT/A	PRE	19	3.3
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	1 PT/A	POST		
COC	1.6 PT/A	POST		

SWEET CHORUS

DUAL 2 MAGNUM+	2 PT/A	PRE	12	2
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	1 PT/A	POST		
COC	1.6 PT/A	POST		

SWEET RHYTHM

DUAL 2 MAGNUM+	2 PT/A	PRE	12	2
AATREX	1.5 PT/A	PRE		
CALLISTO+	3 OZ/A	POST		
AATREX+	1 PT/A	POST		
COC	1.6 PT/A	POST		

GH 0937

OPTION+	1.5 OZ/A	POST	16	2.7
MSO+	1.5 PT/A	POST		
UAN	2 QT/A	POST		

GSS 0966

OPTION+	1.5 OZ/A	POST	9	1.6
MSO+	1.5 PT/A	POST		
UAN	2 QT/A	POST		

HMX 0351

OPTION+	1.5 OZ/A	POST	8	1.4
MSO+	1.5 PT/A	POST		
UAN	2 QT/A	POST		

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Trial ID: SCCALVARWOOS2003

Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio

Investigator: Dr. Douglas J. Doohan

Crop Code				ZEAMS	ZEAMS
Part Rated				WT.	WT.
Rating Data Type				TOTAL MKTB.	TOTAL MKTB.
Rating Unit				LBS/PLOT	TONS/A.
Rating Date				8/14/03	8/14/03
Treatment	Product	Product	Grow		
Name	Rate	Rate Unit	Stg	31	32
KANDY KORN					
OPTION+	1.5 OZ/A	POST		9	1.5
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			
SERENDIPITY					
OPTION+	1.5 OZ/A	POST		13	2.2
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			
SWEET CHORUS					
OPTION+	1.5 OZ/A	POST		6	1.1
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			
SWEET RHYTHM					
OPTION+	1.5 OZ/A	POST		9	1.6
MSO+	1.5 PT/A	POST			
UAN	2 QT/A	POST			
LSD (P=.05)				5.2	0.91
Standard Deviation				3.2	0.56
CV				23.18	23.18

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City: Wooster	Trial Status: Final
State/Prov.: Ohio	Trial Reliability: Reliable
Postal Code: 44691	Initiation Date: 05/27/03
Country: USA	Planned Completion Date: 08/20/03

Objective: Effect of 0.5, 1.0, and 2x rates of Callisto PRE & POST on weed control and crop tolerance in sweet corn.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	CHEAL	common lambsquarter	<i>Chenopodium album</i> L.
2	AGRASS	annual grasses (vs.)	<i>Setaria spp. and Digitaria spp.</i>
3	AMBEL	common ragweed	<i>Ambrosia artemesifolia</i> L.
4	TAROF	dandelion	<i>Taraxacum officinale</i> Weber
5	AMBTR	giant ragweed	<i>Ambrosia trifida</i>
6	CIRAR	Canada thistle	<i>Cirsium arvense</i> (L) Scop.
7	ABUTH	velvetleaf	<i>Abutilon theophrasti</i> Medicus
8	RUMMA	red sorrel	<i>Rumex acetosella</i> L.
9	CAPBP	shepherd's purse	<i>Capsella bursa-pastoris</i> (L.) Medicus
10	VICVI	hairy vetch	<i>Vicia villosa</i> Roth
11	AGGRE	quackgrass	<i>Elytrigia repens</i> (L.) nevski
12	OXAST	yellow woodsorrel	<i>Oxalis stricta</i> L.
13	RUMOB	broadleaved dock	<i>Rumex obtusifolius</i> L.

Crop 1: ZEAMS SWEET CORN Variety: ROGERS GH0937F1 ATTRIBUTE

Planting Date: 05/10/02 Planting Method: CONVENTIONAL

Rate: 3 SEEDS/FT. Depth: 2 "

Row Spacing: 30 IN Seed Bed: CONVENTIONAL

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: LEVEL FIELD

Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 16	% OM: 3	Texture: SILT LOAM
% Silt: 72	pH: 6.8	Soil Name: WOOSTER SILT LOAM
% Clay: 12	CEC: 14	Fert. Level: MODERATE

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

APPLICATION DESCRIPTION

	A	B
Application Date:	5/28/2003	7/12/2003
Time of Day:	10-11 AM	2-3 PM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	POST
Applic. Placement:	BDCST	BDCST
Air Temp., Unit:	61 F	75 F
% Relative Humidity:	82	68
Wind Velocity, Unit:	2 MPH	3 MPH
Soil Moisture:	MOIST	MOIST
% Cloud Cover:	30	70

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMS PRE	ZEAMS POST
Stage Scale:	NONE	VEGET.
Height, Unit:	0 IN.	6 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	CHEAL PRE	CHEAL POST
Stage Scale:	.	2-4"
Density, Unit:	.	MEDIUM
Weed 2 Code, Stage:	AGRAS PRE	AGRAS POST
Stage Scale:	.	3-6"
Density, Unit:	.	MEDIUM
Weed 3 Code, Stage:	AMBEL PRE	AMBEL POST
Stage Scale:	.	8-10"
Density, Unit:	.	MEDIUM
Weed 4 Code, Stage:	TAROF PRE	TAROF POST
Stage Scale:	.	12-18 LF.
Density, Unit:	.	MEDIUM
Weed 5 Code, Stage:	AMBTR PRE	AMBTR POST
Stage Scale:	.	8-10"
Density, Unit:	.	LOW
Weed 6 Code, Stage:	CIRAR PRE	CIRAR POST
Stage Scale:	.	10-12"
Density, Unit:	.	LOW
Weed 7 Code, Stage:	ABUTH PRE	ABUTH POST
Stage Scale:	.	10-12"
Density, Unit:	.	MEDIUM
Weed 8 Code, Stage:	RUMMA PRE	RUMMA POST
Stage Scale:	.	10" DIAM.
Density, Unit:	.	MEDIUM
Weed 9 Code, Stage:	CAPBP PRE	CAPBP POST
Stage Scale:	.	4-6"
Density, Unit:	.	MEDIUM
Weed10 Code, Stage:	VICVI PRE	VICVI POST
Stage Scale:	.	12-15"
Density, Unit:	.	MEDIUM

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Weed11 Code, Stage:	AGGRE PRE	AGGRE POST
Stage Scale:	.	12-15"
Density, Unit:	.	MEDIUM
Weed12 Code, Stage:	OXAST PRE	OXAST POST
Stage Scale:	.	MEDIUM
Density, Unit:	.	MED .
Weed13 Code, Stage:	RUMOB PRE	RUMOB POST
Stage Scale:	.	8-10"
Density, Unit:	.	LOW .

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 PLOT	CO2 PLOT
Operating Pressure:	35	35
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8002VS	8002VS
Nozzle Spacing, Unit:	12 IN	12 IN
Nozzles/Row:	10	10
Band Width, Unit:	10 FT	10 FT
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	20 GPA	20 GPA
Propellant:	CO2	CO2

Trial Comments

Visual ratings are from 0-100; 0=no crop injury/ no control, and 100 = death of the crop/complete weed control. Crop injury ratings include percent chlorosis, stunting, and aggregate injury. Weed density was recorded in two 1 square meter quadrats in each plot. Yield data and stand counts were taken from a 10' length of row in the plot center.

Crop heights were taken from 3 plants, measured from the soil line to collar of the most recent fully expanded leaf. Ear weights were taken without husks, and were weighed in pounds. We used the following sweet corn yield evaluation parameters. They were:

- a) Syngenta Fancy, (6.5" long & <1.0 cm. of blank tip)
- b) U.S.Fancy, (6.0" long ; blank tip not an issue)

Total marketable (MKTB.) weight is the sum of SYNGENTA FANCY and U.S FANCY weights, given in tons per acre.

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS	ZEAMS	ZEAMS	ZEAMS
PLANT	PLANT	PLANT	PLANT
CHLOROSIS	STUNT	INJURY	CHLOROSIS
%	%	%	%
06/05/03	06/06/03	06/07/03	06/19/03

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	1	2	3	4
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	0	0
CALLISTO+	1.5 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0	0	0	0
Standard Deviation					0	0	0	0
CV					0	0	0	0

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS

ZEAMS

ZEAMS

ZEAMS

PLANT

PLANT

PLANT

PLANT

STUNT

INJURY

CHLOROSIS

STUNT

%

%

%

%

06/20/03

06/21/03

7/9/2003

07/09/03

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	5	6	7	8
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	2	0
CALLISTO+	1.5 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0	0	2.1	0
Standard Deviation					0	0	1.4	0
CV					0	0	632.46	0

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code		AGRASS	AMBEL	RUMEX
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	PLANT	WEED	WEED	WEED
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	07/10/03	07/11/03	07/12/03	07/13/03

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	9	10	11	12
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	25	25	25
CALLISTO+	1.5 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	0	50	73	98
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	70	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	0	70	74	77
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0	44.9	45.2	31.1
Standard Deviation					0	31	31.2	21.5
CV					0	92.72	78.39	44.27

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	OXAST	AGGRE	RUMAA
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	07/14/03	7/9/2003	7/9/2003	7/9/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	13	14	15	16
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					25	25	25	25
CALLISTO+	1.5 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	99	99	99	98
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	99	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	99	99	95	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					22.7	22.7	24.6	22.7
Standard Deviation					15.7	15.7	17	15.6
CV					30.12	30.12	33.82	30.15

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CIRAR	ABUTH	AGRASS	AMBEL
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	COUNTS	COUNTS
Rating Unit	%	%	%	PER PLOT
Rating Date	7/9/2003	7/9/2003	6/25/2003	6/25/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	17	18	19	20
UNTREATED CONTROL					0	0	1	1
WEED FREE CONTROL					25	25	0	0
CALLISTO+	1.5 OZ/A		POST	B	0	0	4	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	0	0	2	1
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	3	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	90	99	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	93	99	5	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	70	99	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					34.8	22.7	7.9	0.9
Standard Deviation					24	15.7	5.4	0.6
CV					55.03	30.12	230.25	296.59

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AMBTR	CHEAL	OXAST	CAPBP
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNTS	COUNTS	COUNTS	COUNTS
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	6/25/2003	6/25/2003	6/25/2003	6/25/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	21	22	23	24
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	0	0
CALLISTO+	1.5 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	0	0	1	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	1
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0	0.3	0.7	0.6
Standard Deviation					0	0.2	0.5	0.4
CV					0	455.42	505.53	389.68

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CIRAR	ABUTH	TAROF	VICVI
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNTS	COUNTS	COUNTS	COUNTS
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	6/25/2003	6/25/2003	6/25/2003	6/25/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	25	26	27	28
UNTREATED CONTROL					3	0	1	1
WEED FREE CONTROL					0	0	0	0
CALLISTO+	1.5 OZ/A		POST	B	3	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	4	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	3	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	1	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	3	0	1	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	7	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					6.6	0	0.8	0.5
Standard Deviation					4.6	0	0.6	0.4
CV					167.84	0	331.29	478.34

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code				AGRASS
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	PLANT	PLANT	PLANT	WEED
Rating Data Type	CHLOROSIS	STUNT	INJURY	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/22/2003	7/22/2003	7/22/2003	7/22/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	29	30	31	32
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	0	99
CALLISTO+	1.5 OZ/A		POST	B	4	0	4	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	15	1	16	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	36	4	40	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	0	0	0	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	0	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	0	0	0	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					4.9	2.5	6.9	0
Standard Deviation					3.3	1.7	4.8	0
CV					60.86	338.84	79.38	0

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AMBEL	AMBTR	CHEAL	OXAST
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/22/2003	7/22/2003	7/22/2003	7/22/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	33	34	35	36
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO+	1.5 OZ/A		POST	B	99	99	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	99	99	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	98	99	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	99	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	99	99	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0.9	0	0	0
Standard Deviation					0.6	0	0	0
CV					0.71	0	0	0

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CAPBP	CIRAR	ABUTH	AGGRE
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/22/2003	7/22/2003	7/22/2003	7/22/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	37	38	39	40
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO+	1.5 OZ/A		POST	B	99	37	99	77
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	99	91	99	67
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	97	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	98	25	99	50
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	0	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	99	1	99	74
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0.9	40.5	0	52.8
Standard Deviation					0.6	27.9	0	36.4
CV					0.71	68.27	0	54.77

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AGRASS	AMBEL	AMBTR	CHEAL
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNTS	COUNTS	COUNTS	COUNTS
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	8/13/2003	8/13/2003	8/13/2003	8/13/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	41	42	43	44
UNTREATED CONTROL					1	1	0	0
WEED FREE CONTROL					6	0	0	0
CALLISTO+	1.5 OZ/A		POST	B	2	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	19	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	1	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					16.9	0.5	0.2	0.2
Standard Deviation					11.7	0.3	0.2	0.2
CV					324.44	338.84	632.46	632.46

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	OXAST	CAPBP	CIRAR	ABUTH
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNTS	COUNTS	COUNTS	COUNTS
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	8/13/2003	8/13/2003	8/13/2003	8/13/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	45	46	47	48
UNTREATED CONTROL					0	1	2	0
WEED FREE CONTROL					0	3	2	0
CALLISTO+	1.5 OZ/A		POST	B	0	0	7	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	2	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	0	2	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	3	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	0	1	8	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0	1.9	5.7	0
Standard Deviation					0	1.3	3.9	0
CV					0	191.47	156.46	0

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	TAROF	VICVI		
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	PLANT	PLANT
Rating Data Type	COUNTS	COUNTS	CHLOROSIS	STUNT
Rating Unit	PER PLOT	PER PLOT	%	%
Rating Date	8/13/2003	8/13/2003	8/5/2003	8/5/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	49	50	51	52
UNTREATED CONTROL					0	2	0	0
WEED FREE CONTROL					0	2	0	0
CALLISTO+	1.5 OZ/A		POST	B	0	0	0	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	0	0	3	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	1	6	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	0	0	0	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0.4	2.4	3.3	0
Standard Deviation					0.3	1.6	2.3	0
CV					378.43	384.97	261.98	0

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code		AGRASS	AMBEL	AMBTR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	PLANT	WEED	WEED	WEED
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	53	54	55	56
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	99	99	99
CALLISTO+	1.5 OZ/A		POST	B	0	73	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	0	94	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	99	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	0	99	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	99	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	0	95	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0	36.8	0	0
Standard Deviation					0	25.4	0	0
CV					0	31.26	0	0

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	OXAST	RUMAA	CIRAR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	57	58	59	60
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO+	1.5 OZ/A		POST	B	99	99	99	71
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	99	99	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	99	98	99	82
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	99	99	76
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	99	98	99	50
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0	1.2	0.9	50.7
Standard Deviation					0	0.8	0.6	35
CV					0	0.95	0.71	49.13

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	ABUTH	TAROF	VICVI	
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	PLANT
Rating Data Type	CONTROL	CONTROL	CONTROL	CHLOROSIS
Rating Unit	%	%	%	%
Rating Date	8/5/2003	8/5/2003	8/5/2003	8/19/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	61	62	63	64
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	0
CALLISTO+	1.5 OZ/A		POST	B	99	99	99	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	99	99	99	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	0
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	99	99	99	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	99	99	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	99	99	99	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0	0	0	0
Standard Deviation					0	0	0	0
CV					0	0	0	0

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code			AGRASS	AMBEL
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	PLANT	PLANT	WEED	WEED
Rating Data Type	STUNT	INJURY	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/19/2003	8/19/2003	8/19/2003	8/19/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	65	66	67	68
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	99	99
CALLISTO+	1.5 OZ/A		POST	B	0	0	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	0	0	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	0	0	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	0	0	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0	0	0	0
Standard Deviation					0	0	0	0
CV					0	0	0	0

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AMBTR	CHEAL	OXAST	RUMAA
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/19/2003	8/19/2003	8/19/2003	8/19/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	69	70	71	72
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO+	1.5 OZ/A		POST	B	99	99	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	99	99	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	99
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	99	99	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	99	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	99	99	99	99
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					0	0	0	0
Standard Deviation					0	0	0	0
CV					0	0	0	0

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CIRAR			
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	PLANT	PLANT	PLANT
Rating Data Type	CONTROL	HEIGHT	HEIGHT	HEIGHT
Rating Unit	%	FEET	FEET	FEET
Rating Date	8/19/2003	08/18/03	08/19/03	08/20/03

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	73	74	75	76
UNTREATED CONTROL					0	6.1	6.2	6.2
WEED FREE CONTROL					74	6.8	7	6.7
CALLISTO+	1.5 OZ/A		POST	B	52	6.8	6.6	6.9
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	74	6.7	6.6	6.6
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	74	6.6	6.6	6.7
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	50	6.7	6.5	6.8
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	72	6.5	6.2	6.5
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	86	6.5	6.9	6.4
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
LSD (P=.05)					52.6	0.7	0.65	0.61
Standard Deviation					36.3	0.48	0.45	0.42
CV					62.78	7.31	6.75	6.34

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS	ZEAMS	ZEAMS
PLANTS	# EARS	WT.
STAND CT.	SYNG.FANCY	SYNG.FANCY
PER 10'	PER PLOT	LBS./PLOT
8/14/2003	8/14/2003	8/14/2003

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	77	78	79
UNTREATED CONTROL					12	9	5.5
WEED FREE CONTROL					12	10	6.6
CALLISTO+	1.5 OZ/A		POST	B	13	10	5.8
COC+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	3 OZ/A		POST	B	12	7	4.1
COC+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	14	9	5.3
COC+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	5 OZ/A		PRE	A	12	8	5.1
COC+	1.6 PT/A		PRE	A			
UAN	4 PT/A		PRE	A			
CALLISTO+	6 OZ/A		PRE	A	14	10	6.1
COC+	1.6 PT/A		PRE	A			
UAN	4 PT/A		PRE	A			
CALLISTO+	7 OZ/A		PRE	A	14	10	5.8
COC+	1.6 PT/A		PRE	A			
UAN	4 PT/A		PRE	A			
LSD (P=.05)					2.4	3.4	2.23
Standard Deviation					1.7	2.3	1.54
CV					12.99	25.76	27.73

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code			
Crop Code	ZEAMS	ZEAMS	ZEAMS
Part Rated	# EARS	WT.	# EARS
Rating Data Type	US FANCY	US FANCY	TOTAL MKTB.
Rating Unit	PER PLOT	LBS./PLOT	PER PLOT
Rating Date	08/14/03	08/15/03	08/16/03

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	80	81	82
UNTREATED CONTROL					3	1.3	12
WEED FREE CONTROL					2	0.9	13
CALLISTO+	1.5 OZ/A		POST	B	4	1.8	14
COC+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	3 OZ/A		POST	B	4	1.9	11
COC+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	4	1.8	13
COC+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	5 OZ/A		PRE	A	5	2.2	13
COC+	1.6 PT/A		PRE	A			
UAN	4 PT/A		PRE	A			
CALLISTO+	6 OZ/A		PRE	A	3	1.2	13
COC+	1.6 PT/A		PRE	A			
UAN	4 PT/A		PRE	A			
CALLISTO+	7 OZ/A		PRE	A	2	1	12
COC+	1.6 PT/A		PRE	A			
UAN	4 PT/A		PRE	A			
LSD (P=.05)					2.8	1.36	4.1
Standard Deviation					1.9	0.94	2.8
CV					54.15	60	22.63

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#1)

Trial ID: CALRATETIMW12003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code		
Crop Code	ZEAMS	ZEAMS
Part Rated	WT.	WT.
Rating Data Type	TOTAL MKTB.	TOTAL MKTB.
Rating Unit	LBS./PLOT	TONS/A.
Rating Date	08/17/03	08/18/03

Treatment Name	Prod. Rate	Prod. Rate Unit	Grow Stg	Appl Code	83	84
UNTREATED CONTROL					6.8	5.9
WEED FREE CONTROL					7.4	6.5
CALLISTO+	1.5 OZ/A		POST	B	7.6	6.6
COC+	1.6 PT/A		POST	B		
UAN	4 PT/A		POST	B		
CALLISTO+	3 OZ/A		POST	B	6	5.2
COC+	1.6 PT/A		POST	B		
UAN	4 PT/A		POST	B		
CALLISTO+	6 OZ/A		POST	B	7.1	6.2
COC+	1.6 PT/A		POST	B		
UAN	4 PT/A		POST	B		
CALLISTO+	5 OZ/A		PRE	A	7.3	6.4
COC+	1.6 PT/A		PRE	A		
UAN	4 PT/A		PRE	A		
CALLISTO+	6 OZ/A		PRE	A	7.3	6.4
COC+	1.6 PT/A		PRE	A		
UAN	4 PT/A		PRE	A		
CALLISTO+	7 OZ/A		PRE	A	6.8	6
COC+	1.6 PT/A		PRE	A		
UAN	4 PT/A		PRE	A		
LSD (P=.05)					2.36	2.06
Standard Deviation					1.63	1.42
CV					22.88	22.88

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#2)

Trial ID: CALRATETIM22003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City:	Wooster	Trial Status:	Final
State/Prov.:	Ohio	Trial Reliability:	Reliable
Postal Code:	44691	Initiation Date:	07/01/03
Country:	USA	Planned Completion Date:	12/30/03

Objective: Effect of 0.5, 1.0, and 2x rates of Callisto PRE & POST on weed control and crop tolerance in sweet corn.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	AMBEL	common ragweed	<i>Ambrosia artemesifolia</i> L.
2	AGRASS	annual grasses (various)	<i>Setaria</i> spp. and <i>Digitaria</i> spp.
3	CHEAL	common lambsquarter	<i>Chenopodium album</i>

Crop 1: ZEAMS SWEET CORN Variety: ROGERS GH0937F1 ATTRIBUTE

Planting Date: 07/01/03 Planting Method: CONVENTIONAL

Rate: 3 SEEDS/FT. Depth: 1.5 "

Row Spacing: 30 IN Seed Bed: CONVENTIONAL

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: LEVEL FIELD

Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 16	% OM: 3	Texture: SILT LOAM
% Silt: 72	pH: 6.8	Soil Name: WOOSTER SILT LOAM
% Clay: 12	CEC: 14	Fert. Level: MODERATE

APPLICATION DESCRIPTION

	A	B
Application Date:	7/2/2003	8/6/2003
Time of Day:	11-12 AM	2-3 PM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	POST
Applic. Placement:	BDCST	BDCST
Air Temp., Unit:	75 F	80 F
% Relative Humidity:	82	89
Wind Velocity, Unit:	2 MPH	3 MPH
Dew Presence (Y/N):	N	N
% Cloud Cover:	75	50

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMS PRE	ZEAMS POST
Stage Scale:	NONE	VEGET.
Height, Unit:	0 IN.	6 IN.

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#2)

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	AMBEL PRE	AMBEL POST
Stage Scale:	.	4-6"
Density, Unit:	.	MEDIUM
Weed 2 Code, Stage:	AGRAS PRE	AGRAS POST
Stage Scale:	.	4-6"
Density, Unit:	.	MEDIUM
Weed 3 Code, Stage:	CHEAL PRE	CHEAL POST
Stage Scale:	.	4-6"
Density, Unit:	.	MEDIUM

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 PLOT	CO2 PLOT
Operating Pressure:	35	35
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8002VS	8002VS
Nozzle Spacing, Unit:	12	12
Nozzles/Row:	10	10
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	4 MPH	4 MPH
Carrier:	WATER	WATER

Trial Comments

"Visual ratings are from 0-100; 0=no crop injury/ no control, and 100 = death of the crop/complete weed control. Crop injury ratings include percent chlorosis, stunting, and aggregate injury. Yield data and stand counts were taken from a 10' length of row in the plot center. Crop heights were taken from 3 plants, measured from the soil line to collar of the most recent fully expanded leaf. Yield was determined by counting and weighing husked ears. Ear weights were graded according to the following criteria:

- a) Syngenta Fancy, (6.5" long & <1.0 cm. of blank tip)
- b) U.S.Fancy, (6.0" long ; blank tip not an issue)

Total marketable (MKTB.) weight is the sum of SYNGENTA FANCY and U.S FANCY weights, given in tons per acre.

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#2)

Trial ID: CALRATETIM22003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS	ZEAMS	ZEAMS	ZEAMS
PLANT	PLANT	PLANT	PLANT
CHLOROSIS	STUNT	INJURY	CHLOROSIS
%	%	%	%
7/9/2003	7/9/2003	7/9/2003	7/23/2003

Treatment Name	Product Rate	Product Unit	Grow Stg	Appl Code	1	2	3	4
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	0	0
CALLISTO+	1.5 OZ/A	POST	B		0	0	0	0
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	3 OZ/A	POST	B		0	0	0	0
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	6 OZ/A	POST	B		0	0	0	0
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	5 OZ/A	PRE	A		0	0	0	0
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	6 OZ/A	PRE	A		0	0	0	0
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	7 OZ/A	PRE	A		0	0	0	0
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	8 OZ/A	PRE	A		0	0	0	0
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	12 OZ/A	PRE	A		0	0	0	1
UAN	4 PT/A	PRE	A					
LSD (P=.05)					0	0	0	1.1
Standard Deviation					0	0	0	0.8
CV					0	0	0	632.46

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#2)

Trial ID: CALRATETIM22003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code							AGRASS	AMBEL
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	WEED	WEED
Rating Data Type					STUNT	INJURY	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					7/23/2003	7/23/2003	7/23/2003	7/23/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Unit	Stg	Code	5	6	7	8
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	99	99
CALLISTO+	1.5 OZ/A	POST	B		0	0	0	0
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	3 OZ/A	POST	B		0	0	0	0
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	6 OZ/A	POST	B		0	0	0	0
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	5 OZ/A	PRE	A		0	0	84	99
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	6 OZ/A	PRE	A		1	1	92	99
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	7 OZ/A	PRE	A		0	0	89	99
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	8 OZ/A	PRE	A		0	0	90	99
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	12 OZ/A	PRE	A		4	5	94	99
UAN	4 PT/A	PRE	A					
LSD (P=.05)					2.5	2.2	7.5	0
Standard Deviation					1.7	1.5	5.2	0
CV					338.84	242.21	9.43	0

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#2)

Trial ID: CALRATETIM22003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					CHEAL			
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	PLANT	PLANT	PLANT
Rating Data Type					CONTROL	CHLOROSIS	STUNT	INJURY
Rating Unit					%	%	%	%
Rating Date					7/23/2003	8/1/2003	8/1/2003	8/1/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Unit	Stg	Code	9	10	11	12
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	0	0	0
CALLISTO+	1.5 OZ/A	POST	B		0	0	0	0
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	3 OZ/A	POST	B		0	23	15	14
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	6 OZ/A	POST	B		0	35	24	30
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	5 OZ/A	PRE	A		99	0	0	0
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	6 OZ/A	PRE	A		99	0	0	0
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	7 OZ/A	PRE	A		99	0	0	0
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	8 OZ/A	PRE	A		99	0	0	0
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	12 OZ/A	PRE	A		99	0	0	0
UAN	4 PT/A	PRE	A					
LSD (P=.05)					0	3.4	2.8	3.4
Standard Deviation					0	2.4	1.9	2.3
CV					0	41.33	50.13	53.31

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#2)

Trial ID: CALRATETIM22003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AGRASS	AMBEL	CHEAL	
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	PLANT
Rating Data Type					CONTROL	CONTROL	CONTROL	CHLOROSIS
Rating Unit					%	%	%	%
Rating Date					8/1/2003	8/1/2003	8/1/2003	8/15/2003
Treatment Name	Product Rate	Product Unit	Grow Stg	Appl Code	13	14	15	16
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	0
CALLISTO+	1.5 OZ/A		POST	B	99	99	99	2
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	3 OZ/A		POST	B	74	74	99	34
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	69
COC+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	5 OZ/A		PRE	A	99	99	99	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	99	99	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	7 OZ/A		PRE	A	99	99	99	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	8 OZ/A		PRE	A	99	99	99	0
COC+	1.6 PT/A		PRE	A				
UAN	4 PT/A		PRE	A				
CALLISTO+	12 OZ/A		PRE	A	99	99	99	0
UAN	4 PT/A		PRE	A				
LSD (P=.05)					22.7	22.7	0	4.8
Standard Deviation					15.7	15.7	0	3.3
CV					18.07	18.07	0	31.78

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#2)

Trial ID: CALRATETIM22003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					ZEAMS	ZEAMS	AGRASS	AMBEL
Crop Code					PLANT	PLANT	WEED	WEED
Part Rated					STUNT	INJURY	CONTROL	CONTROL
Rating Data Type					%	%	%	%
Rating Unit					8/15/2003	8/15/2003	8/15/2003	8/15/2003
Rating Date								
Treatment	Product	Product	Grow	Appl				
Name	Rate	Unit	Stg	Code	17	18	19	20
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	99	99
CALLISTO+	1.5 OZ/A	POST	B		2	2	99	99
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	3 OZ/A	POST	B		15	18	74	74
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	6 OZ/A	POST	B		44	48	99	99
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	5 OZ/A	PRE	A		0	0	99	99
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	6 OZ/A	PRE	A		0	0	99	99
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	7 OZ/A	PRE	A		0	0	99	99
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	8 OZ/A	PRE	A		0	0	99	99
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	12 OZ/A	PRE	A		0	0	99	99
UAN	4 PT/A	PRE	A					
LSD (P=.05)					3.5	3.6	22.7	22.7
Standard Deviation					2.4	2.4	15.7	15.7
CV					39.32	36.39	18.07	18.07

The Ohio State University

SWEET CORN- CALLISTO RATE AND TIMING (SITE#2)

Trial ID: CALRATETIM22003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					CHEAL			
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	PLANT	PLANT	PLANT
Rating Data Type					CONTROL	CHLOROSIS	STUNT	INJURY
Rating Unit					%	%	%	%
Rating Date					8/15/2003	9/5/2003	9/5/2003	9/5/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Unit	Stg	Code	21	22	23	24
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	0	0	0
CALLISTO+	1.5 OZ/A	POST	B		99	0	0	0
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	3 OZ/A	POST	B		99	23	5	13
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	6 OZ/A	POST	B		99	35	10	31
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	5 OZ/A	PRE	A		99	0	0	5
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	6 OZ/A	PRE	A		99	0	0	0
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	7 OZ/A	PRE	A		99	0	0	0
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	8 OZ/A	PRE	A		99	0	0	0
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	12 OZ/A	PRE	A		99	0	0	0
UAN	4 PT/A	PRE	A					
LSD (P=.05)					0	7.2	3.2	9
Standard Deviation					0	5	2.2	6.2
CV					0	86.8	149.07	126.81

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#2)

Trial ID: CALRATETIM22003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AGRASS	AMBEL	CHEAL	
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	PLANTS
Rating Data Type					CONTROL	CONTROL	CONTROL	STAND CT.
Rating Unit					%	%	%	PER 10'
Rating Date					9/5/2003	9/5/2003	9/5/2003	9/30/2003
Treatment Name	Product Rate	Product Unit	Grow Stg	Appl Code	25	26	27	28
UNTREATED CONTROL					0	0	0	10
WEED FREE CONTROL					99	99	99	10
CALLISTO+	1.5 OZ/A	POST	B		94	96	99	9
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	3 OZ/A	POST	B		99	99	99	10
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	6 OZ/A	POST	B		99	99	77	10
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	5 OZ/A	PRE	A		71	71	74	11
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	6 OZ/A	PRE	A		99	99	99	11
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	7 OZ/A	PRE	A		99	99	99	10
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	8 OZ/A	PRE	A		99	99	99	9
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	12 OZ/A	PRE	A		99	99	99	11
UAN	4 PT/A	PRE	A					
LSD (P=.05)					22.5	22.2	31.3	1.7
Standard Deviation					15.5	15.3	21.5	1.2
CV					18.05	17.83	25.53	11.59

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#2)

Trial ID: CALRATETIM22003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					ZEAMS # EARS	ZEAMS WT.	ZEAMS # EARS	ZEAMS WT.
					SYNG.FANCY	SYNG.FANCY	US FANCY	US FANCY
					PER PLOT	LBS/PLOT	PER PLOT	LBS/PLOT
					9/30/2003	9/30/2003	9/30/2003	9/30/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Unit	Stg	Code	29	30	31	32
UNTREATED CONTROL					8	4.8	6	2.5
WEED FREE CONTROL					7	5.1	5	2
CALLISTO+	1.5 OZ/A	POST	B		9	4.7	4	1.9
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	3 OZ/A	POST	B		7	4.1	4	1.9
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	6 OZ/A	POST	B		7	4.4	5	2.4
COC+	1.6 PT/A	POST	B					
UAN	4 PT/A	POST	B					
CALLISTO+	5 OZ/A	PRE	A		8	4.5	6	2.6
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	6 OZ/A	PRE	A		10	5.7	5	2.1
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	7 OZ/A	PRE	A		8	4.8	5	2.1
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	8 OZ/A	PRE	A		7	3.9	5	2.2
COC+	1.6 PT/A	PRE	A					
UAN	4 PT/A	PRE	A					
CALLISTO+	12 OZ/A	PRE	A		7	4.6	3	1.2
UAN	4 PT/A	PRE	A					
LSD (P=.05)					2.8	1.94	2.9	1.33
Standard Deviation					1.9	1.34	2	0.92
CV					24.74	28.64	41.84	43.78

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SWEET CORN- CALLISTO RATE AND TIMING (SITE#2)

Trial ID: CALRATETIM22003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code							
Crop Code					ZEAMS	ZEAMS	ZEAMS
Part Rated					#EARS	WT.	WT.
Rating Data Type					TOTAL MKTB.	TOTAL MKTB.	TOTAL MKTB.
Rating Unit					PER PLOT	LBS/PLOT	TONS/A.
Rating Date					9/30/2003	9/30/2003	9/30/2003
Treatment	Product	Product	Grow	Appl			
Name	Rate	Unit	Stg	Code	33	34	35
UNTREATED CONTROL					14	7.3	6.3
WEED FREE CONTROL					12	7.1	6.2
CALLISTO+	1.5 OZ/A	POST	B		13	6.6	5.7
COC+	1.6 PT/A	POST	B				
UAN	4 PT/A	POST	B				
CALLISTO+	3 OZ/A	POST	B		12	6	5.2
COC+	1.6 PT/A	POST	B				
UAN	4 PT/A	POST	B				
CALLISTO+	6 OZ/A	POST	B		12	6.8	6
COC+	1.6 PT/A	POST	B				
UAN	4 PT/A	POST	B				
CALLISTO+	5 OZ/A	PRE	A		13	7.2	6.2
COC+	1.6 PT/A	PRE	A				
UAN	4 PT/A	PRE	A				
CALLISTO+	6 OZ/A	PRE	A		15	7.8	6.8
COC+	1.6 PT/A	PRE	A				
UAN	4 PT/A	PRE	A				
CALLISTO+	7 OZ/A	PRE	A		13	6.9	6
COC+	1.6 PT/A	PRE	A				
UAN	4 PT/A	PRE	A				
CALLISTO+	8 OZ/A	PRE	A		12	6.1	5.3
COC+	1.6 PT/A	PRE	A				
UAN	4 PT/A	PRE	A				
CALLISTO+	12 OZ/A	PRE	A		10	5.8	5.1
UAN	4 PT/A	PRE	A				
LSD (P=.05)					2.4	1.87	1.63
Standard Deviation					1.7	1.29	1.12
CV					13.41	19.08	19.08

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City:	Wooster	Trial Status:	Final
State/Prov.:	Ohio	Trial Reliability:	Reliable
Postal Code:	44691	Initiation Date:	05/27/03
Country:	USA	Planned Completion Date:	08/20/03

Objective: Effect of various adjuvant systems on weed control and crop tolerance to Callisto.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	CHEAL	common lambsquarter	<i>Chenopodium album</i> L.
2	AGRASS	annual grasses (various)	<i>Setaria spp. and Digitaria spp.</i>
3	AMBEL	common ragweed	<i>Ambrosia artemesifolia</i> L.
4	TAROF	dandelion	<i>Taraxacum officinale</i> Weber
5	AMBTR	giant ragweed	<i>Ambrosia trifida</i>
6	CIRAR	Canada thistle	<i>Cirsium arvense</i> (L.) Scop.
7	ABUTH	velvetleaf	<i>Abutilon theophrasti</i> Medicus
8	RUMMA	red sorrel	<i>Rumex acetosella</i> L.
9	CAPBP	shepherd's purse	<i>Capsella bursa-pastoris</i> (L.) Medicus
10	VICVI	hairy vetch	<i>Vicia villosa</i> Roth
11	AGGRE	quackgrass	<i>Elytrigia repens</i> (L.) nevski
12	OXAST	yellow woodsorrel	<i>Oxalis stricta</i> L.

Crop 1: ZEAMS SWEET CORN Variety: ROGERS GH0937F1 ATTRIBUTE

Planting Date: 05/23/02 Planting Method: CONVENTIONAL

Rate: 3 SEED/FT. Depth: 2 IN

Row Spacing: 30 IN Seed Bed: CONVENTIONAL

Soil Moisture: MOIST

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: LEVEL FIELD

Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 16 % OM: 3 Texture: SILT LOAM

% Silt: 72 pH: 6.8 Soil Name: WOOSTER SILT LOAM

% Clay: 12 CEC: 14 Fert. Level: MODERATE

Overall Moisture Conditions: MOIST

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

APPLICATION DESCRIPTION

A

Application Date: 7/12/2003
 Time of Day: 2-3 PM
 Application Method: SPRAY
 Application Timing: POST
 Applic. Placement: BDCST
 Air Temp., Unit: 75 F
 % Relative Humidity: 68
 Wind Velocity, Unit: 3 MPH
 Dew Presence (Y/N): N
 Soil Moisture: MOIST
 % Cloud Cover: 80

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ZEAMS POST
 Stage Scale: 4 LEAF
 Height, Unit: 6 IN.

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: CHEAL POST
 Stage Scale: 1-3"
 Density, Unit: MEDIUM
 Weed 2 Code, Stage: AGRAS POST
 Stage Scale: MEDIUM
 Density, Unit: MEDIUM
 Weed 3 Code, Stage: AMBEL POST
 Stage Scale: TO 2"
 Density, Unit: LOW .
 Weed 4 Code, Stage: TAROF POST
 Stage Scale: 1-2"
 Density, Unit: MEDIUM
 Weed 5 Code, Stage: AMBTR POST
 Stage Scale: 3"
 Density, Unit: MEDIUM
 Weed 6 Code, Stage: CIRAR POST
 Stage Scale: 12"
 Density, Unit: MEDIUM
 Weed 7 Code, Stage: ABUTH POST
 Stage Scale: 6-9"
 Density, Unit: LOW .
 Weed 8 Code, Stage: RUMMA POST
 Stage Scale: 1-3"
 Density, Unit: MEDIUM
 Weed 9 Code, Stage: CAPBP POST
 Stage Scale: 1-3"
 Density, Unit: MEDIUM
 Weed10 Code, Stage: VICVI POST
 Stage Scale: 4-6"
 Density, Unit: LOW .

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Weed11 Code, Stage: AGGRE POST
Stage Scale: 8-12"
Density, Unit: MEDIUM
Weed12 Code, Stage: OXAST POST
Stage Scale: 1-3"
Density, Unit: LOW

APPLICATION EQUIPMENT

A

Appl. Equipment: CO2 PLOT
Operating Pressure: 35
Nozzle Type: FLAT FAN
Nozzle Size: 8002VS
Nozzle Spacing, Unit: 12 IN
Nozzles/Row: 10
Band Width, Unit: 10 FT
Boom Height, Unit: 18 "
Ground Speed, Unit: 3.5 MPH

Trial Comments

Visual ratings are from 0-100; 0=no crop injury/ no control, and 100 = death of the crop/complete weed control. Crop injury ratings include percent chlorosis, stunting, and aggregate injury. Weed density was recorded in two 1 square meter quadrats in each plot. Yield data and stand counts were taken from a 10' length of row in the plot center.

Crop heights were taken from 3 plants, measured from the soil line to collar of the most recent fully expanded leaf. Ear weights were taken without husks, and were weighed in pounds. We used the following sweet corn yield evaluation parameters. They were:

- a) Syngenta Fancy, (6.5" long & <1.0 cm. of blank tip)
- b) U.S.Fancy, (6.0" long ; blank tip not an issue)

Total marketable (MKTB.) weight is the sum of SYNGENTA FANCY and U.S FANCY weights, given in tons per acre.

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					AGRASS	AMBEL	AMBTR	CHEAL
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					COUNT	COUNT	COUNT	COUNT
Rating Unit					PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date					7/3/2003	7/3/2003	7/3/2003	7/3/2003
Treatment Name	Prod. Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4
UNTREATED CONTROL					0	0	1	1
WEED FREE CONTROL					0	0	0	0
CALLISTO+ NIS	3 OZ/A 0.4 PT/A		POST POST	A A	0	0	1	4
CALLISTO+ COC	3 OZ/A 1.6 PT/A		POST POST	A A	1	0	1	9
CALLISTO+ UAN	3 OZ/A 4 PT/A		POST POST	A A	2	0	3	7
CALLISTO+ NIS+ UAN	3 OZ/A 0.4 PT/A 4 PT/A		POST POST POST	A A A	1	0	3	5
CALLISTO+ Crop 1: ZEAMS SWEET (UAN	3 OZ/A 1.6 PT/A 4 PT/A		POST A POST	A A A	1	0	4	5
CALLISTO+ AMS	3 OZ/A 474 OZ/A		POST POST	A A	6	0	2	4
CALLISTO+ NIS+ AMS	3 OZ/A 0.4 PT/A 474 OZ/A		POST POST POST	A A A	1	0	3	4
CALLISTO+ COC+ AMS	3 OZ/A 1.6 PT/A 474 OZ/A		POST POST POST	A A A	3	0	2	2
LSD (P=.05)					3.8	0	3.3	6.2
Standard Deviation					2.6	0	2.2	4.3
CV					188.53	0	119.77	105.81

The Ohio State University

SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					OXAST	CAPBP	CIRAR	ABUTH
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					COUNT	COUNT	COUNT	COUNT
Rating Unit					PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date					7/3/2003	7/3/2003	7/3/2003	7/3/2003
Treatment	Prod.	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	5	6	7	8
UNTREATED CONTROL					1	9	1	0
WEED FREE CONTROL					0	0	0	0
CALLISTO+	3 OZ/A		POST	A	1	1	0	0
NIS	0.4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	3	3	4	0
COC	1.6 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	4	7	1	0
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	1	1	1	1
NIS+	0.4 PT/A		POST	A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	2	3	1	0
Crop 1: ZEAMS	1.6 PT/A			A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	1	1	2	2
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	1	1	1	1
NIS+	0.4 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	1	2	1	1
COC+	1.6 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
LSD (P=.05)					2.3	7.9	4	1.9
Standard Deviation					1.6	5.5	2.8	1.3
CV					111.34	198.31	245.45	262.47

The Ohio State University

SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code			TAROF	VICVI		
Crop Code			ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated			WEED	WEED	PLANT	PLANT
Rating Data Type			COUNT	COUNT	CHLOROSIS	STUNT
Rating Unit			PER PLOT	PER PLOT	%	%
Rating Date			7/3/2003	7/3/2003	7/18/2003	7/18/2003
Treatment	Prod.	Product	Grow	Appl		
Name	Rate	Rate Unit	Stg	Code	9	10
UNTREATED CONTROL					3	14
WEED FREE CONTROL					0	0
CALLISTO+	3 OZ/A	POST	A		1	3
NIS	0.4 PT/A	POST	A			4
CALLISTO+	3 OZ/A	POST	A		1	3
COC	1.6 PT/A	POST	A			4
CALLISTO+	3 OZ/A	POST	A		1	5
UAN	4 PT/A	POST	A			8
CALLISTO+	3 OZ/A	POST	A		3	4
NIS+	0.4 PT/A	POST	A			11
UAN	4 PT/A	POST	A			5
CALLISTO+	3 OZ/A	POST	A		1	4
Crop 1: ZEAMS SWEET (	1.6 PT/A		A			11
UAN	4 PT/A	POST	A			5
CALLISTO+	3 OZ/A	POST	A		1	2
AMS	474 OZ/A	POST	A			9
CALLISTO+	3 OZ/A	POST	A		1	3
NIS+	0.4 PT/A	POST	A			10
AMS	474 OZ/A	POST	A			5
CALLISTO+	3 OZ/A	POST	A		2	8
COC+	1.6 PT/A	POST	A			26
AMS	474 OZ/A	POST	A			10
LSD (P=.05)					2.5	10.3
Standard Deviation					1.7	7.1
CV					138.64	157.85
						73.34
						93.82

The Ohio State University

SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					AGRASS	CIRAR	CHEAL
Crop Code					ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	WEED	WEED
Rating Data Type					INJURY	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					7/18/2003	7/18/2003	7/18/2003
Treatment	Prod.	Product	Grow	Appl			
Name	Rate	Rate Unit	Stg	Code	13	14	15
							16
UNTREATED CONTROL					0	0	0
WEED FREE CONTROL					0	99	99
CALLISTO+	3 OZ/A		POST	A	7	99	99
NIS	0.4 PT/A		POST	A			96
CALLISTO+	3 OZ/A		POST	A	6	99	82
COC	1.6 PT/A		POST	A			87
CALLISTO+	3 OZ/A		POST	A	8	99	74
UAN	4 PT/A		POST	A			68
CALLISTO+	3 OZ/A		POST	A	13	99	99
NIS+	0.4 PT/A		POST	A			92
UAN	4 PT/A		POST	A			
CALLISTO+	3 OZ/A		POST	A	10	99	79
Crop 1: ZEAMS SWEET (	1.6 PT/A			A			91
UAN	4 PT/A		POST	A			
CALLISTO+	3 OZ/A		POST	A	9	99	82
AMS	474 OZ/A		POST	A			91
CALLISTO+	3 OZ/A		POST	A	13	99	99
NIS+	0.4 PT/A		POST	A			98
AMS	474 OZ/A		POST	A			
CALLISTO+	3 OZ/A		POST	A	26	99	99
COC+	1.6 PT/A		POST	A			98
AMS	474 OZ/A		POST	A			
LSD (P=.05)					8.5	0	30.2
Standard Deviation					5.9	0	20.8
CV					65.01	0	25.62

The Ohio State University

SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					AMBTR	AMBEL	OXAST	RUMAA
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					7/18/2003	7/18/2003	7/18/2003	7/18/2003
Treatment	Prod.	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	17	18	19	20
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO+	3 OZ/A		POST	A	74	96	99	92
NIS	0.4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	57	92	99	93
COC	1.6 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	53	39	72	65
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	67	87	99	99
NIS+	0.4 PT/A		POST	A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	72	89	99	77
Crop 1: ZEAMS SWEET (	1.6 PT/A			A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	60	74	99	92
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	61	84	99	93
NIS+	0.4 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	80	82	99	89
COC+	1.6 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
LSD (P=.05)					36.4	25.8	22.1	27.1
Standard Deviation					25.1	17.8	15.2	18.7
CV					40.19	23.99	17.64	23.43

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					TAROF	VICVI		
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	PLANT	PLANT
Rating Data Type					CONTROL	CONTROL	CHLOROSIS	STUNT
Rating Unit					%	%	%	%
Rating Date					7/18/2003	7/18/2003	8/1/2003	8/1/2003
Treatment	Prod.	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	21	22	23	24
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	0	0
CALLISTO+	3 OZ/A		POST	A	99	94	0	11
NIS	0.4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	82	95	0	1
COC	1.6 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	74	70	0	0
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	97	0	6
NIS+	0.4 PT/A		POST	A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	97	97	0	8
Crop 1: ZEAMS SWEET (	1.6 PT/A			A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	92	98	0	5
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	96	93	0	0
NIS+	0.4 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	92	6	1
COC+	1.6 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
LSD (P=.05)					27.8	23.8	5.7	10.7
Standard Deviation					19.1	16.4	4	7.4
CV					22.88	19.66	632.46	227.23

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					AGRASS	AMBEL	AMBTR
Crop Code					ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	WEED	WEED
Rating Data Type					INJURY	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					8/1/2003	8/1/2003	8/1/2003
Treatment	Prod.	Product	Grow	Appl			
Name	Rate	Rate Unit	Stg	Code	25	26	27
UNTREATED CONTROL					0	0	0
WEED FREE CONTROL					0	99	99
CALLISTO+	3 OZ/A		POST	A	0	99	99
NIS	0.4 PT/A		POST	A			91
CALLISTO+	3 OZ/A		POST	A	0	99	99
COC	1.6 PT/A		POST	A			74
CALLISTO+	3 OZ/A		POST	A	0	99	99
UAN	4 PT/A		POST	A			62
CALLISTO+	3 OZ/A		POST	A	0	99	99
NIS+	0.4 PT/A		POST	A			92
UAN	4 PT/A		POST	A			
CALLISTO+	3 OZ/A		POST	A	0	94	99
Crop 1: ZEAMS SWEET (	1.6 PT/A			A			
UAN	4 PT/A		POST	A			99
CALLISTO+	3 OZ/A		POST	A	0	99	99
AMS	474 OZ/A		POST	A			99
CALLISTO+	3 OZ/A		POST	A	0	99	99
NIS+	0.4 PT/A		POST	A			96
AMS	474 OZ/A		POST	A			
CALLISTO+	3 OZ/A		POST	A	0	99	99
COC+	1.6 PT/A		POST	A			91
AMS	474 OZ/A		POST	A			
LSD (P=.05)					0	4.4	0
Standard Deviation					0	3	0
CV					0	3.39	0

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					CHEAL	OXAST	CIRAR	ABUTH
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/1/2003	8/1/2003	8/1/2003	8/1/2003
Treatment	Prod.	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	29	30	31	32
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	97	99	99
CALLISTO+	3 OZ/A		POST	A	99	99	99	99
NIS	0.4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	78	99	78	99
COC	1.6 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	74	99	76	99
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	99	99	99
NIS+	0.4 PT/A		POST	A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	99	74	99
Crop 1: ZEAMS SWEET (	1.6 PT/A			A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	99	92	99
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	99	99	99
NIS+	0.4 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	99	99	99
COC+	1.6 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
LSD (P=.05)					30.3	2.1	33.6	0
Standard Deviation					20.9	1.4	23.2	0
CV					24.73	1.6	28.44	0

The Ohio State University

SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					RUMAA	VICVI	AGRASS	AMBEL
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	COUNT	COUNT
Rating Unit					%	%	PER PLOT	PER PLOT
Rating Date					8/1/2003	8/1/2003	8/22/2003	8/22/2003
Treatment	Prod.	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	33	34	35	36
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	0	0
CALLISTO+	3 OZ/A		POST	A	96	99	0	0
NIS	0.4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	92	1	0
COC	1.6 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	74	78	0	0
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	96	0	0
NIS+	0.4 PT/A		POST	A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	74	99	1	0
Crop 1: ZEAMS SWEET (	1.6 PT/A			A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	97	99	0	0
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	89	0	0
NIS+	0.4 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	74	99	0	0
COC+	1.6 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
LSD (P=.05)					41.3	22.6	1.1	0
Standard Deviation					28.4	15.5	0.7	0
CV					35.06	18.29	330.99	0

The Ohio State University

SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					AMBTR	CHEAL	OXAST	CAPBP
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					COUNT	COUNT	COUNT	COUNT
Rating Unit					PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date					8/22/2003	8/22/2003	8/22/2003	8/22/2003
Treatment	Prod.	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	37	38	39	40
UNTREATED CONTROL					1	1	0	11
WEED FREE CONTROL					0	0	0	0
CALLISTO+	3 OZ/A		POST	A	0	0	0	1
NIS	0.4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	0
COC	1.6 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	1	0	5
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	1
NIS+	0.4 PT/A		POST	A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	1	0	4
Crop 1: ZEAMS SWEET (	1.6 PT/A			A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	2
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	1	0	0	1
NIS+	0.4 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	1
COC+	1.6 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
LSD (P=.05)					0.8	1.1	0.2	7.3
Standard Deviation					0.5	0.7	0.2	5.1
CV					236.96	372.68	632.46	202.37

The Ohio State University

SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					CIRAR	ABUTH	TAROF	VICVI
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					COUNT	COUNT	COUNT	COUNT
Rating Unit					PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date					8/22/2003	8/22/2003	8/22/2003	8/22/2003
Treatment	Prod.	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	41	42	43	44
UNTREATED CONTROL					1	0	1	14
WEED FREE CONTROL					0	0	0	0
CALLISTO+	3 OZ/A		POST	A	0	0	0	0
NIS	0.4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	2	0	0	1
COC	1.6 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	2
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	2
NIS+	0.4 PT/A		POST	A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	1	0	0	2
Crop 1: ZEAMS SWEET (	1.6 PT/A			A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	1	0	0	1
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	1
NIS+	0.4 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	2
COC+	1.6 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
LSD (P=.05)					2.6	0	0.5	10.1
Standard Deviation					1.8	0	0.4	7
CV					328.43	0	478.34	282.39

The Ohio State University

SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								AGRASS
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	PLANT	WEED
Rating Data Type					CHLOROSIS	STUNT	INJURY	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/22/2003	8/22/2003	8/22/2003	8/22/2003
Treatment	Prod.	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	45	46	47	48
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	0	99
CALLISTO+	3 OZ/A		POST	A	0	0	0	99
NIS	0.4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	99
COC	1.6 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	99
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	98
NIS+	0.4 PT/A		POST	A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	92
Crop 1: ZEAMS SWEET (	1.6 PT/A			A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	99
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	99
NIS+	0.4 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	0	0	0	99
COC+	1.6 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
LSD (P=.05)					0	0	0	6.6
Standard Deviation					0	0	0	4.6
CV					0	0	0	5.16

The Ohio State University

SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					AMBEL	AMBTR	CHEAL	OXALIS
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/22/2003	8/22/2003	8/22/2003	8/22/2003
Treatment	Prod.	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	49	50	51	52
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO+	3 OZ/A		POST	A	99	99	99	99
NIS	0.4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	74	97	87
COC	1.6 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	37	74	99
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	74	99	99
NIS+	0.4 PT/A		POST	A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	99	99	99
Crop 1: ZEAMS	1.6 PT/A			A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	99	99	94
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	74	99	99
NIS+	0.4 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	99	99	99
COC+	1.6 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
LSD (P=.05)					0	43.4	22.9	11.6
Standard Deviation					0	29.9	15.8	8
CV					0	39.66	18.25	9.14

The Ohio State University

SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					CAPBP	CIRAR	AGGRE	VICVI
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/22/2003	8/22/2003	8/22/2003	8/22/2003
Treatment	Prod.	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	53	54	55	56
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO+	3 OZ/A		POST	A	92	99	99	99
NIS	0.4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	93	99	97	94
COC	1.6 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	74	99	99	93
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	99	99	99
NIS+	0.4 PT/A		POST	A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	74	77	99	97
Crop 1: ZEAMS SWEET (	1.6 PT/A			A				
UAN	4 PT/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	89	99	97	99
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	99	99	98	98
NIS+	0.4 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
CALLISTO+	3 OZ/A		POST	A	74	94	99	94
COC+	1.6 PT/A		POST	A				
AMS	474 OZ/A		POST	A				
LSD (P=.05)					41.8	21	3.1	8.2
Standard Deviation					28.8	14.5	2.1	5.7
CV					36.25	16.78	2.39	6.5

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code									
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS	
Part Rated					PLANT	PLANT	PLANT	PLANTS	
Rating Data Type					HEIGHT	HEIGHT	HEIGHT	STAND CT.	
Rating Unit					FEET	FEET	FEET	PER 10'	
Rating Date					8/25/2003	8/25/2003	8/25/2003	7/21/2003	
Treatment	Prod.	Product	Grow	Appl					
Name	Rate	Rate Unit	Stg	Code	57	58	59	60	
UNTREATED CONTROL					6.8	6.5	6.7	11	
WEED FREE CONTROL					6.9	7.1	7	12	
CALLISTO+	3 OZ/A		POST	A	6.6	6.2	6.4	11	
NIS	0.4 PT/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	6.8	7.1	6.8	11	
COC	1.6 PT/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	7	7	6.8	11	
UAN	4 PT/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	7	6.6	6.6	12	
NIS+	0.4 PT/A		POST	A					
UAN	4 PT/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	6.8	6.9	7	11	
Crop 1: ZEAMS SWEET (	1.6 PT/A			A					
UAN	4 PT/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	6.5	6.8	6.8	10	
AMS	474 OZ/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	6.9	6.8	7.1	11	
NIS+	0.4 PT/A		POST	A					
AMS	474 OZ/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	6.7	7	6.9	11	
COC+	1.6 PT/A		POST	A					
AMS	474 OZ/A		POST	A					
LSD (P=.05)					0.55	0.51	0.56	2.4	
Standard Deviation					0.38	0.35	0.39	1.6	
CV					5.53	5.18	5.66	14.85	

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code									
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS	
Part Rated					# EARS	WT.	# EARS	WT.	
Rating Data Type					SYNG.FANCY	SYNG.FANCY	US FANCY	US FANCY	
Rating Unit					PER PLOT	LBS/PLOT	PER PLOT	LBS/PLOT	
Rating Date					8/14/2003	8/14/2003	8/14/2003	8/14/2003	
Treatment	Prod.	Product	Grow	Appl					
Name	Rate	Rate Unit	Stg	Code	61	62	63	64	
UNTREATED CONTROL					9	6	3	1.5	
WEED FREE CONTROL					11	8	1	0.6	
CALLISTO+	3 OZ/A		POST	A	10	6	4	1.5	
NIS	0.4 PT/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	9	6	3	1.5	
COC	1.6 PT/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	8	5	2	1.1	
UAN	4 PT/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	8	6	4	1.8	
NIS+	0.4 PT/A		POST	A					
UAN	4 PT/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	11	7	1	0.5	
Crop 1: ZEAMS SWEET (	1.6 PT/A			A					
UAN	4 PT/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	9	6	4	1.9	
AMS	474 OZ/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	9	6	3	1.5	
NIS+	0.4 PT/A		POST	A					
AMS	474 OZ/A		POST	A					
CALLISTO+	3 OZ/A		POST	A	9	6	3	1.5	
COC+	1.6 PT/A		POST	A					
AMS	474 OZ/A		POST	A					
LSD (P=.05)					4.1	2.8	2.2	1.09	
Standard Deviation					2.8	1.9	1.5	0.75	
CV					31.06	31.38	52.98	57.01	

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS, (SITE #1)

Trial ID: CALADJ1WOOS2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code							
Crop Code					ZEAMS	ZEAMS	ZEAMS
Part Rated					#EARS	WT.	WT.
Rating Data Type					TOTAL MKTB.	TOTAL MKTB.	TOTAL MKTB.
Rating Unit					PER PLOT	LBS/PLOT	TONS/A.
Rating Date					8/14/2003	8/14/2003	8/14/2003
Treatment	Prod.	Product	Grow	Appl			
Name	Rate	Rate Unit	Stg	Code	65	66	67
UNTREATED CONTROL					12	7.1	6.2
WEED FREE CONTROL					12	8.2	7.1
CALLISTO+	3 OZ/A		POST	A	14	7.8	6.8
NIS	0.4 PT/A		POST	A			
CALLISTO+	3 OZ/A		POST	A	12	7.4	6.4
COC	1.6 PT/A		POST	A			
CALLISTO+	3 OZ/A		POST	A	10	6.4	5.6
UAN	4 PT/A		POST	A			
CALLISTO+	3 OZ/A		POST	A	12	7.3	6.4
NIS+	0.4 PT/A		POST	A			
UAN	4 PT/A		POST	A			
CALLISTO+	3 OZ/A		POST	A	12	7.4	6.4
Crop 1: ZEAMS SWEET (	1.6 PT/A			A			
UAN	4 PT/A		POST	A			
CALLISTO+	3 OZ/A		POST	A	12	7.8	6.8
AMS	474 OZ/A		POST	A			
CALLISTO+	3 OZ/A		POST	A	12	7.7	6.7
NIS+	0.4 PT/A		POST	A			
AMS	474 OZ/A		POST	A			
CALLISTO+	3 OZ/A		POST	A	12	7.3	6.4
COC+	1.6 PT/A		POST	A			
AMS	474 OZ/A		POST	A			
LSD (P=.05)					3.5	2.41	2.1
Standard Deviation					2.4	1.66	1.45
CV					20.29	22.31	22.31

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS (SITE #2)

Trial ID: CALADJ2WOOS2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City:	Wooster	Trial Status:	Final
State/Prov.:	Ohio	Trial Reliability:	Reliable
Postal Code:	44691	Initiation Date:	07/01/03
Country:	USA	Planned Completion Date:	12/30/03

Objective: Effect of various adjuvant systems on weed control and crop tolerance to Callisto.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	CHEAL	common lambsquarter	<i>Chenopodium album L.</i>
2	AGRASS	annual grasses (various)	<i>Setaria spp. and Digitaria spp.</i>
3	AMBEL	common ragweed	<i>Ambrosia artemesifolia L.</i>
4	TRZAW	winter wheat (volunteer)	<i>Triticum aestivum</i>

Crop 1: ZEAMS SWEET CORN Variety: ROGERS GH0937F1 ATTRIBUTE

Planting Date: 07/01/03 Planting Method: CONVENTIONAL

Rate: 3 SEED/FT. Depth: 1.5 IN

Row Spacing: 30 IN Seed Bed: CONVENTIONAL

Soil Moisture: MOIST

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: LEVEL FIELD

Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 16	% OM: 3	Texture: SILT LOAM
% Silt: 72	pH: 6.8	Soil Name: WOOSTER SILT LOAM
% Clay: 12	CEC: 14	Fert. Level: MODERATE

APPLICATION DESCRIPTION

A

Application Date:	8/6/2003
Time of Day:	2-3 PM
Application Method:	SPRAY
Application Timing:	POST
Applic. Placement:	BDCST
Air Temp., Unit:	80 F
% Relative Humidity:	89
Wind Velocity, Unit:	3 MPH
Dew Presence (Y/N):	N
% Cloud Cover:	80

A

Crop 1 Code, Stage:	ZEAMS POST
Stage Scale:	4 LEAF
Height, Unit:	6 IN.

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS (SITE #2)

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage:	CHEAL POST
Stage Scale:	1-3"
Density, Unit:	MEDIUM
Weed 2 Code, Stage:	AGRAS POST
Stage Scale:	1-3"
Density, Unit:	MEDIUM
Weed 3 Code, Stage:	AMBEL POST
Stage Scale:	1-2"
Density, Unit:	LOW
Weed 4 Code, Stage:	TRZAW POST
Stage Scale:	1-3"
Density, Unit:	MEDIUM

APPLICATION EQUIPMENT

A

Appl. Equipment:	CO2 PLOT
Operating Pressure:	35
Nozzle Type:	FLAT FAN
Nozzle Size:	8002VS
Nozzle Spacing, Unit:	12 IN
Nozzles/Row:	10
Band Width, Unit:	10 FT
Boom Height, Unit:	18 IN.
Ground Speed, Unit:	4 MPH
Spray Volume, Unit:	20 GPA

Trial Comments

Visual ratings are from 0-100; 0=no crop injury/ no control, and 100 = death of the crop/complete weed control. Crop injury ratings include percent chlorosis, stunting, and aggregate injury. Yield data and stand counts were taken from a 10' length of row in the plot center. Crop heights were taken from 3 plants, measured from the soil line to collar of the most recent fully expanded leaf. Yield was determined by counting and weighing husked ears. Ear weights were graded according to the following criteria:

- a) Syngenta Fancy, (6.5" long & <1.0 cm. of blank tip)
- b) U.S.Fancy, (6.0" long ; blank tip not an issue)

Total marketable (MKTB.) weight is the sum of SYNGENTA FANCY and U.S FANCY weights, given in tons per acre.

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS (SITE #2)

Trial ID: CALADJ2WOOS2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code				AGRASS	AMBEL
Crop Code				ZEAMS	ZEAMS
Part Rated				PLANT	PLANT
Rating Data Type				WEED	WEED
Rating Unit				STUNT	INJURY
Rating Date				CONTROL	CONTROL
				%	%
				8/27/2003	8/27/2003
Treatment	Product	Product	Grow		
Name	Rate	Rate Unit	Stg.	9	10
				11	12
UNTREATED CONTROL				0	0
WEED FREE CONTROL				0	0
CALLISTO+	3 OZ/A	POST		0	0
NIS	0.4 PT/A	POST		99	99
CALLISTO+	3 OZ/A	POST		0	0
COC	1.6 PT/A	POST		99	99
CALLISTO+	3 OZ/A	POST		4	23
UAN	4 PT/A	POST		99	99
CALLISTO+	3 OZ/A	POST		3	14
NIS+	0.4 PT/A	POST		99	99
UAN	4 PT/A	POST			
CALLISTO+	3 OZ/A	POST		0	0
COC+	1.6 PT/A	POST		99	99
UAN	4 PT/A	POST			
CALLISTO+	3 OZ/A	POST		1	6
AMS	474 OZ/A	POST		99	99
CALLISTO+	3 OZ/A	POST		0	0
NIS+	0.4 PT/A	POST		99	99
AMS	474 OZ/A	POST			
CALLISTO+	3 OZ/A	POST		1	10
COC+	1.6 PT/A	POST		99	99
AMS	474 OZ/A	POST			
LSD (P=.05)				2.2	10
Standard Deviation				22.7	0
CV				1.5	6.9
				15.7	0
				169.48	131.66
				18.07	0

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS (SITE #2)

Trial ID: CALADJ2WOOS2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code	CHEAL		TRZAW	
Crop Code	ZEAMS		ZEAMS	
Part Rated	WEED		PLANTS	
Rating Data Type	CONTROL		STAND CT.	
Rating Unit	%		PER 10'	
Rating Date	8/27/2003		9/30/2003	
Treatment	Product	Product	Grow	
Name	Rate	Rate Unit	Stg.	
UNTREATED CONTROL				
			13	14
			15	16
WEED FREE CONTROL				
			13	14
			15	16
CALLISTO+	3 OZ/A	POST	99	97
NIS	0.4 PT/A	POST	10	8
CALLISTO+	3 OZ/A	POST	99	97
COC	1.6 PT/A	POST	10	6
CALLISTO+	3 OZ/A	POST	99	99
UAN	4 PT/A	POST	11	8
CALLISTO+	3 OZ/A	POST	99	99
NIS+	0.4 PT/A	POST	10	6
UAN	4 PT/A	POST		
CALLISTO+	3 OZ/A	POST	99	99
COC+	1.6 PT/A	POST	10	7
UAN	4 PT/A	POST		
CALLISTO+	3 OZ/A	POST	99	99
AMS	474 OZ/A	POST	9	5
CALLISTO+	3 OZ/A	POST	99	99
NIS+	0.4 PT/A	POST	10	8
AMS	474 OZ/A	POST		
CALLISTO+	3 OZ/A	POST	99	97
COC+	1.6 PT/A	POST	10	7
AMS	474 OZ/A	POST		
LSD (P=.05)			0	3.2
Standard Deviation			0	2.2
CV			0	2.46
			16.53	28.1

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS (SITE #2)

Trial ID: CALADJ2WOOS2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

	ZEAMS	ZEAMS	ZEAMS	ZEAMS
	WT.	# EARS	WT.	#EARS
	SYNG.FANCY	US FANCY	US FANCY	TOTAL MKTB.
	LBS/PLOT	PER PLOT	LBS/PLOT	PER PLOT
	9/30/2003	9/30/2003	9/30/2003	9/30/2003

Treatment	Product	Product	Grow				
Name	Rate	Rate Unit	Stg.	17	18	19	20
UNTREATED CONTROL				3.6	6	2.9	12
WEED FREE CONTROL				4.1	6	3.3	13
CALLISTO+	3 OZ/A	POST		4.8	5	2.5	12
NIS	0.4 PT/A	POST					
CALLISTO+	3 OZ/A	POST		3.4	8	3.9	13
COC	1.6 PT/A	POST					
CALLISTO+	3 OZ/A	POST		4.7	5	2.4	13
UAN	4 PT/A	POST					
CALLISTO+	3 OZ/A	POST		3.6	5	2.3	10
NIS+	0.4 PT/A	POST					
UAN	4 PT/A	POST					
CALLISTO+	3 OZ/A	POST		4.5	5	2.5	12
COC+	1.6 PT/A	POST					
UAN	4 PT/A	POST					
CALLISTO+	3 OZ/A	POST		3	7	3.6	12
AMS	474 OZ/A	POST					
CALLISTO+	3 OZ/A	POST		4.8	3	1.4	11
NIS+	0.4 PT/A	POST					
AMS	474 OZ/A	POST					
CALLISTO+	3 OZ/A	POST		4.4	5	2.5	12
COC+	1.6 PT/A	POST					
AMS	474 OZ/A	POST					
LSD (P=.05)				1.62	3.7	1.91	3.3
Standard Deviation				1.12	2.6	1.31	2.3
CV				27.43	47.96	48.05	19.35

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SWEET CORN- CALLISTO ADJUVANT SYSTEMS (SITE #2)

Trial ID: CALADJ2WOOS2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS

ZEAMS

WT.

WT.

TOTAL MKTB.

TOTAL MKTB.

LBS/PLOT

TONS/A.

9/30/2003

9/30/2003

Treatment	Product	Product	Grow		
Name	Rate	Rate Unit	Stg.	21	22
UNTREATED CONTROL				6.4	5.6
WEED FREE CONTROL				7.2	6.2
CALLISTO+	3 OZ/A	POST		7.2	6.3
NIS	0.4 PT/A	POST			
CALLISTO+	3 OZ/A	POST		7.3	6.3
COC	1.6 PT/A	POST			
CALLISTO+	3 OZ/A	POST		7.2	6.3
UAN	4 PT/A	POST			
CALLISTO+	3 OZ/A	POST		5.9	5.1
NIS+	0.4 PT/A	POST			
UAN	4 PT/A	POST			
CALLISTO+	3 OZ/A	POST		7	6.1
COC+	1.6 PT/A	POST			
UAN	4 PT/A	POST			
CALLISTO+	3 OZ/A	POST		6.6	5.7
AMS	474 OZ/A	POST			
CALLISTO+	3 OZ/A	POST		6.2	5.4
NIS+	0.4 PT/A	POST			
AMS	474 OZ/A	POST			
CALLISTO+	3 OZ/A	POST		6.9	6
COC+	1.6 PT/A	POST			
AMS	474 OZ/A	POST			
LSD (P=.05)				1.88	1.63
Standard Deviation				1.29	1.13
CV				19.04	19.04

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City: Wooster	Trial Status: Final
State/Prov.: Ohio	Trial Reliability: Reliable
Postal Code: 44691	Initiation Date: 05/27/03
Country: USA	Planned Completion Date: 08/20/03

Objective: Effect of Callisto, and Callisto + Atrazine tank mixes on weed control and crop tolerance in sweet corn.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	CHEAL	common lambsquarter	<i>Chenopodium album</i> L.
2	AGRASS	annual grasses (various)	<i>Setaria</i> spp. and <i>Digitaria</i> spp.
3	AMBEL	common ragweed	<i>Ambrosia artemesifolia</i> L.
4	TAROF	dandelion	<i>Taraxacum officinale</i> Weber
5	AMBTR	giant ragweed	<i>Ambrosia trifida</i>
6	CIRAR	Canada thistle	<i>Cirsium arvense</i> (L.) Scop.
7	ABUTH	velvetleaf	<i>Abutilon theophrasti</i> Medicus
8	RUMMA	red sorrel	<i>Rumex acetosella</i> L.
9	CAPBP	shepherd's purse	<i>Capsella bursa-pastoris</i> (L.) Medicus
10	VICVI	hairy vetch	<i>Vicia villosa</i> Roth
11	AGGRE	quackgrass	<i>Elytrigia repens</i> (L.) nevski
12	OXAST	yellow woodsorrel	<i>Oxalis stricta</i> L.

Crop 1: ZEAMS SWEET CORN Variety: ROGERS GH0937F1 ATTRIBUTE

Planting Date: 05/10/02 Planting Method: CONVENTIONAL

Rate: 3 SEEDS/FT. Depth: 2 IN

Row Spacing: 30 IN Seed Bed: CONVENTIONAL

Soil Moisture: MOIST

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: FIELD

Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 16	% OM: 3	Texture: SILT LOAM
% Silt: 72	pH: 6.8	Soil Name: WOOSTER SILT LOAM
% Clay: 12	CEC: 14	Fert. Level: MODERATE

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

APPLICATION DESCRIPTION

	A	B
Application Date:	5/28/2003	7/12/2003
Time of Day:	10-11 AM	2-3 PM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	POST
Applic. Placement:	BDCST	BDCST
Air Temp., Unit:	58 F	75 F
% Relative Humidity:	82	68
Wind Velocity, Unit:	2 MPH	3 MPH
Soil Moisture:	MOIST	MOIST
% Cloud Cover:	20	80

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMS PRE	ZEAMS POST
Stage Scale:	.	VEGET.
Height, Unit:	0. .	6 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	CHEAL PRE	CHEAL POST
Stage Scale:	.	6-8"
Density, Unit:	. .	LOW .
Weed 2 Code, Stage:	AGRAS PRE	AGRAS POST
Stage Scale:	.	4-6"
Density, Unit:	. .	LOW .
Weed 3 Code, Stage:	AMBEL PRE	AMBEL POST
Stage Scale:	.	4-6"
Density, Unit:	. .	MEDIUM
Weed 4 Code, Stage:	TAROF PRE	TAROF POST
Stage Scale:	.	2-4"
Density, Unit:	. .	MEDIUM
Weed 5 Code, Stage:	AMBTR PRE	AMBTR POST
Stage Scale:	.	6-8"
Density, Unit:	. .	LOW .
Weed 6 Code, Stage:	CIRAR PRE	CIRAR POST
Stage Scale:	.	12-18"
Density, Unit:	. .	LOW .
Weed 7 Code, Stage:	ABUTH	ABUTH POST
Stage Scale:	.	10-12"
Density, Unit:	. .	LOW .
Weed 8 Code, Stage:	RUMMA .	RUMMA POST
Stage Scale:	.	2-4"
Density, Unit:	. .	LOW .
Weed 9 Code, Stage:	CAPBP	CAPBP POST
Stage Scale:	.	2-4"
Density, Unit:	. .	LOW .
Weed10 Code, Stage:	VICVI	VICVI POST
Stage Scale:	.	2-4"
Density, Unit:	. .	MEDIUM

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Weed11 Code, Stage:	AGGRE	AGGRE POST
Stage Scale:	.	10-12"
Density, Unit:	.	LOW .
Weed12 Code, Stage:	OXAST .	OXAST POST
Stage Scale:	.	1-3"
Density, Unit:	.	LOW .

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 PLOT	CO2 PLOT
Operating Pressure:	35	35
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8002VS	8002VS
Nozzle Spacing, Unit:	12 IN	12 IN
Nozzles/Row:	10	10
Band Width, Unit:	10 FT	10 FT
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH
Spray Volume, Unit:	20 GPA	20 GPA
Propellant:	CO2	CO2

Trial Comments

Visual ratings are from 0-100; 0=no crop injury/ no control, and 100 = death of the crop/complete weed control. Crop injury ratings include percent chlorosis, stunting, and aggregate injury. Weed density was recorded in two 1 square meter quadrats in each plot. Yield data and stand counts were taken from a 10' length of row in the plot center.

Crop heights were taken from 3 plants, measured from the soil line to collar of the most recent fully expanded leaf. Ear weights were taken without husks, and were weighed in pounds. We used the following sweet corn yield evaluation parameters. They were:

- a) Syngenta Fancy, (6.5" long & <1.0 cm. of blank tip)
- b) U.S.Fancy, (6.0" long ; blank tip not an issue)

Total marketable (MKTB.) weight is the sum of SYNGENTA FANCY and U.S FANCY weights, given in tons per acre.

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code							
Crop Code					ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	PLANT
Rating Data Type					CHLOROSIS	STUNT	INJURY
Rating Unit					%	%	%
Rating Date					6/5/2003	6/5/2003	6/5/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3
UNTREATED CONTROL					0	0	0
WEED FREE CONTROL					0	0	0
CALLISTO	6 OZ/A		PRE	A	0	0	0
CALLISTO	7.7 OZ/A		PRE	A	0	0	0
CALLISTO+	5 OZ/A		PRE	A	0	0	0
ATRAZINE	2 PT/A		PRE	A			
CALLISTO+	6 OZ/A		PRE	A	0	0	0
ATRAZINE	2 PT/A		PRE	A			
CALLISTO+	6 OZ/A		PRE	A	0	0	0
CALLISTO+	6 OZ/A		POST	B			
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	0	0	0
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	0	0	0
ATRAZINE+	0.5 PT/A		POST	B			
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	0	0	0
ATRAZINE+	1 PT/A		POST	B			
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
LSD (P=.05)					0	0	0
Standard Deviation					0	0	0
CV					0	0	0

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit					%	%	%	%
Rating Date					6/19/2003	6/19/2003	6/19/2003	7/9/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	4	5	6	7
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	0	0	0
CALLISTO	7.7 OZ/A		PRE	A	0	0	0	0
CALLISTO+	5 OZ/A		PRE	A	0	0	0	0
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	0	0
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	0	0
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					0	0	0	0
Standard Deviation					0	0	0	0
CV					0	0	0	0

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					CHEAL	AMBEL		
Crop Code					ZEAMS	ZEAMS		
Part Rated					PLANT	PLANT		
Rating Data Type					STUNT	INJURY	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					7/9/2003	7/9/2003	7/9/2003	7/9/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	8	9	10	11
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	99	99
CALLISTO	6 OZ/A		PRE	A	0	0	99	99
CALLISTO	7.7 OZ/A		PRE	A	0	0	99	99
CALLISTO+ ATRAZINE	5 OZ/A 2 PT/A		PRE PRE	A A	0	0	99	99
CALLISTO+ ATRAZINE	6 OZ/A 2 PT/A		PRE PRE	A A	0	0	99	99
CALLISTO+ CALLISTO+ NIS+ UAN	6 OZ/A 6 OZ/A 1.6 PT/A 4 PT/A		PRE POST POST POST	A B B B	0	0	99	99
CALLISTO+ NIS+ UAN	6 OZ/A 1.6 PT/A 4 PT/A		POST POST POST	B B B	0	0	0	0
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 0.5 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	0	0	0	0
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 1 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	0	0	0	0
LSD (P=.05)					0	0	0	0
Standard Deviation					0	0	0	0
CV					0	0	0	0

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					TAROF	CIRAR	AGRASS	RUMAA
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					7/9/2003	7/9/2003	7/9/2003	7/9/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	12	13	14	15
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO	6 OZ/A		PRE	A	96	70	74	72
CALLISTO	7.7 OZ/A		PRE	A	99	92	99	74
CALLISTO+	5 OZ/A		PRE	A	84	78	99	74
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	96	80	99	47
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	98	57	99	50
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					14	38.4	22.7	49.8
Standard Deviation					9.6	26.4	15.7	34.3
CV					16.88	55.54	27.5	82.4

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AGGRE	AGRASS	AMBEL	AMBTR
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	COUNTS	COUNTS	COUNTS
Rating Unit					%	PER PLOT	PER PLOT	PER PLOT
Rating Date					7/9/2003	6/25/2003	6/25/2003	6/25/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	16	17	18	19
UNTREATED CONTROL					0	16	2	0
WEED FREE CONTROL					98	11	6	0
CALLISTO	6 OZ/A		PRE	A	46	16	0	0
CALLISTO	7.7 OZ/A		PRE	A	66	16	1	0
CALLISTO+ ATRAZINE	5 OZ/A 2 PT/A		PRE PRE	A A	71	19	0	0
CALLISTO+ ATRAZINE	6 OZ/A 2 PT/A		PRE PRE	A A	61	28	0	0
CALLISTO+ CALLISTO+ NIS+ UAN	6 OZ/A 6 OZ/A 1.6 PT/A 4 PT/A		PRE POST POST POST	A B B B	46	16	1	0
CALLISTO+ NIS+ UAN	6 OZ/A 1.6 PT/A 4 PT/A		POST POST POST	B B B	0	4	1	0
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 0.5 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	0	3	1	0
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 1 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	0	6	4	0
LSD (P=.05)					37.4	18.1	5.3	0
Standard Deviation					25.8	12.5	3.7	0
CV					66.28	93.33	252.11	0

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					CHEAL	OXAST	CAPBP	CIRAR
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					COUNTS	COUNTS	COUNTS	COUNTS
Rating Unit					PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date					6/25/2003	6/25/2003	6/25/2003	6/25/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	20	21	22	23
UNTREATED CONTROL					0	5	0	13
WEED FREE CONTROL					0	4	0	12
CALLISTO	6 OZ/A		PRE	A	0	0	0	1
CALLISTO	7.7 OZ/A		PRE	A	0	0	0	0
CALLISTO+	5 OZ/A		PRE	A	0	0	0	3
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	1	0	1
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	1	1	0	10
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	1	3	0	4
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	5	0	3
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	1	2	0	9
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					0.8	4.9	0.3	11.3
Standard Deviation					0.6	3.3	0.2	7.8
CV					227.06	165.34	455.42	145.81

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					ABUTH	TAROF		
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	PLANT	PLANT
Rating Data Type					COUNTS	COUNTS	CHLOROSIS	STUNT
Rating Unit					PER PLOT	PER PLOT	%	%
Rating Date					6/25/2003	6/25/2003	7/24/2003	7/24/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	24	25	26	27
UNTREATED CONTROL					0	1	0	0
WEED FREE CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	1	1	4
CALLISTO	7.7 OZ/A		PRE	A	0	0	1	5
CALLISTO+	5 OZ/A		PRE	A	0	0	3	5
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	1	9
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	33	18
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	1	1	40	11
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	1	16	11
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	53	20
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					0.5	1.1	15	6
Standard Deviation					0.3	0.8	10.3	4.2
CV					632.46	277.07	70.05	50.44

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AGRASS	AMBEL	AMBTR	
Crop Code					ZEAMS	ZEAMS	ZEAMS	
Part Rated					PLANT	WEED	WEED	
Rating Data Type					INJURY	CONTROL	CONTROL	
Rating Unit					%	%	%	
Rating Date					7/24/2003	7/24/2003	7/24/2003	
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	28	29	30	31
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	99	99	99
CALLISTO	6 OZ/A		PRE	A	5	99	99	99
CALLISTO	7.7 OZ/A		PRE	A	6	99	99	99
CALLISTO+ ATRAZINE	5 OZ/A 2 PT/A		PRE PRE	A A	3	99	99	99
CALLISTO+ ATRAZINE	6 OZ/A 2 PT/A		PRE PRE	A A	9	99	99	99
CALLISTO+ CALLISTO+ NIS+ UAN	6 OZ/A 6 OZ/A 1.6 PT/A 4 PT/A		PRE POST POST POST	A B B B	34	99	99	99
CALLISTO+ NIS+ UAN	6 OZ/A 1.6 PT/A 4 PT/A		POST POST POST	B B B	35	99	99	99
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 0.5 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	19	99	99	99
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 1 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	53	99	99	99
LSD (P=.05)					14.6	0	0	0
Standard Deviation					10	0	0	0
CV					61.74	0	0	0

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					CHEAL	OXAST	CIRAR	ABUTH
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					7/24/2003	7/24/2003	7/24/2003	7/24/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	32	33	34	35
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO	6 OZ/A		PRE	A	99	99	93	99
CALLISTO	7.7 OZ/A		PRE	A	99	99	99	99
CALLISTO+	5 OZ/A		PRE	A	99	99	74	99
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	97	99	74	99
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	99	99	99
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	91	99
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	99
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	99
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					2.1	0	33	0
Standard Deviation					1.4	0	22.7	0
CV					1.6	0	27.49	0

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AGGRE	TAROF		
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	PLANT	PLANT
Rating Data Type					CONTROL	CONTROL	CHLOROSIS	STUNT
Rating Unit					%	%	%	%
Rating Date					7/24/2003	7/24/2003	8/6/2003	8/6/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	36	37	38	39
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	0	0
CALLISTO	6 OZ/A		PRE	A	63	99	0	0
CALLISTO	7.7 OZ/A		PRE	A	52	99	0	0
CALLISTO+	5 OZ/A		PRE	A	47	74	0	0
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	42	99	1	0
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	82	99	5	0
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	98	99	11	1
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	87	99	3	0
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	98	99	14	4
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					45.8	22.7	6.3	3.5
Standard Deviation					31.6	15.7	4.3	2.4
CV					47.28	18.07	128.06	483.05

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AGRASS	AMBEL	AMBTR	
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	WEED	WEED	WEED
Rating Data Type					INJURY	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/6/2003	8/6/2003	8/6/2003	8/6/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	40	41	42	43
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	99	99	99
CALLISTO	6 OZ/A		PRE	A	0	66	99	99
CALLISTO	7.7 OZ/A		PRE	A	0	72	99	99
CALLISTO+ ATRAZINE	5 OZ/A 2 PT/A		PRE PRE	A A	0	40	97	99
CALLISTO+ ATRAZINE	6 OZ/A 2 PT/A		PRE PRE	A A	0	46	74	74
CALLISTO+ CALLISTO+ NIS+ UAN	6 OZ/A 6 OZ/A 1.6 PT/A 4 PT/A		PRE POST POST POST	A B B B	0	70	99	99
CALLISTO+ NIS+ UAN	6 OZ/A 1.6 PT/A 4 PT/A		POST POST POST	B B B	0	99	99	99
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 0.5 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	0	99	99	99
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 1 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	0	99	99	99
LSD (P=.05)					0	39.8	22.9	22.7
Standard Deviation					0	27.4	15.8	15.7
CV					0	39.76	18.25	18.07

The Ohio State University

SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					CHEAL	OXAST	RUMAA	AGGRE
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/6/2003	8/6/2003	8/6/2003	8/6/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	44	45	46	47
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO	6 OZ/A		PRE	A	99	99	99	99
CALLISTO	7.7 OZ/A		PRE	A	99	99	99	99
CALLISTO+	5 OZ/A		PRE	A	99	96	99	99
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	74	74	74	74
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	99	99	99
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	99
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	99
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	99
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					22.7	23.1	22.7	22.7
Standard Deviation					15.7	15.9	15.7	15.7
CV					18.07	18.42	18.07	18.07

The Ohio State University

SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code			CIRAR		ABUTH			
Crop Code			ZEAMS		ZEAMS		ZEAMS	
Part Rated			WEED		WEED		PLANT	
Rating Data Type			CONTROL		CONTROL		CHLOROSIS	
Rating Unit			%		%		%	
Rating Date			8/6/2003		8/6/2003		8/22/2003	
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	48	49	50	51
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	0	0
CALLISTO	6 OZ/A		PRE	A	98	99	0	0
CALLISTO	7.7 OZ/A		PRE	A	97	99	0	0
CALLISTO+	5 OZ/A		PRE	A	96	99	0	0
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	70	74	0	0
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	99	0	0
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	0	0
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	97	99	0	0
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	98	99	0	0
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					22	22.7	0	0
Standard Deviation					15.1	15.7	0	0
CV					17.78	18.07	0	0

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AGRASS	AMBEL	AMBTR	
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	WEED	WEED	WEED
Rating Data Type					INJURY	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/22/2003	8/22/2003	8/22/2003	8/22/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	52	53	54	55
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	99	99	99
CALLISTO	6 OZ/A		PRE	A	0	99	99	99
CALLISTO	7.7 OZ/A		PRE	A	0	99	99	99
CALLISTO+ ATRAZINE	5 OZ/A 2 PT/A		PRE PRE	A A	0	99	99	99
CALLISTO+ ATRAZINE	6 OZ/A 2 PT/A		PRE PRE	A A	0	99	99	99
CALLISTO+ CALLISTO+ NIS+ UAN	6 OZ/A 6 OZ/A 1.6 PT/A 4 PT/A		PRE POST POST POST	A B B B	0	99	99	99
CALLISTO+ NIS+ UAN	6 OZ/A 1.6 PT/A 4 PT/A		POST POST POST	B B B	0	99	99	99
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 0.5 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	0	99	99	99
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 1 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	0	99	99	99
LSD (P=.05)					0	0	0	0
Standard Deviation					0	0	0	0
CV					0	0	0	0

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					CHEAL	OXAST	RUMAA	AGGRE
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/22/2003	8/22/2003	8/22/2003	8/22/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	56	57	58	59
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO	6 OZ/A		PRE	A	97	99	87	92
CALLISTO	7.7 OZ/A		PRE	A	99	99	99	74
CALLISTO+	5 OZ/A		PRE	A	99	99	97	25
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	74	74	87	51
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	99	99	74
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	98
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	96
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	99	97
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					22.9	22.7	14.1	38
Standard Deviation					15.8	15.7	9.8	26.2
CV					18.25	18.07	11.28	37.17

The Ohio State University

SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					CIRAR	ABUTH	AGRASS	AMBEL
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	COUNTS	COUNTS
Rating Unit					%	%	PER PLOT	PER PLOT
Rating Date					8/22/2003	8/22/2003	8/13/2003	8/13/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	60	61	62	63
UNTREATED CONTROL					0	0	4	2
WEED FREE CONTROL					99	99	16	1
CALLISTO	6 OZ/A		PRE	A	99	99	13	0
CALLISTO	7.7 OZ/A		PRE	A	79	99	13	0
CALLISTO+	5 OZ/A		PRE	A	99	99	20	0
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	72	99	23	0
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	78	99	11	0
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	2	0
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	77	99	2	0
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	99	99	0	0
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					41	0	15.7	1.6
Standard Deviation					28.2	0	10.8	1.1
CV					35.24	0	105.3	400.03

The Ohio State University

SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AMBTR	CHEAL	OXAST	CAPBP
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	WEED	WEED
Rating Data Type					COUNTS	COUNTS	COUNTS	COUNTS
Rating Unit					PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date					8/13/2003	8/13/2003	8/13/2003	8/13/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	64	65	66	67
UNTREATED CONTROL					1	0	5	1
WEED FREE CONTROL					1	4	6	16
CALLISTO	6 OZ/A		PRE	A	0	0	0	1
CALLISTO	7.7 OZ/A		PRE	A	0	0	1	2
CALLISTO+	5 OZ/A		PRE	A	0	0	0	1
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	1	1	4
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	0	0
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					0.9	2.1	3.6	8.6
Standard Deviation					0.6	1.4	2.5	5.9
CV					263.28	340.3	205.24	233.68

The Ohio State University

SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					CIRAR	ABUTH		
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	PLANT	PLANT
Rating Data Type					COUNTS	COUNTS	HEIGHT	HEIGHT
Rating Unit					PER PLOT	PER PLOT	FEET	FEET
Rating Date					8/13/2003	8/13/2003	8/18/03	8/18/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	68	69	70	71
UNTREATED CONTROL					20	0	5.9	6.4
WEED FREE CONTROL					4	0	6.2	6.2
CALLISTO	6 OZ/A		PRE	A	0	0	6.3	6.3
CALLISTO	7.7 OZ/A		PRE	A	0	0	6.4	6.2
CALLISTO+	5 OZ/A		PRE	A	2	0	6.1	6.6
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	6	5.9
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	6.1	6.1
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	6.4	6.3
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	5.9	6.4
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	6	5.9
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					10.4	0.2	0.63	0.62
Standard Deviation					7.1	0.2	0.43	0.43
CV					261.99	632.46	7.04	6.83

The Ohio State University

SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code							
Crop Code					ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	# EARS
Rating Data Type					HEIGHT	STAND CT.	SYNG.FANCY
Rating Unit					FEET	PER 10'	PER PLOT
Rating Date					8/18/03	8/14/03	8/14/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	72	73	74
UNTREATED CONTROL					6.2	11	10
WEED FREE CONTROL					6.3	11	9
CALLISTO	6 OZ/A		PRE	A	6.4	11	12
CALLISTO	7.7 OZ/A		PRE	A	6.3	12	10
CALLISTO+	5 OZ/A		PRE	A	6.2	9	8
ATRAZINE	2 PT/A		PRE	A			
CALLISTO+	6 OZ/A		PRE	A	6.1	10	9
ATRAZINE	2 PT/A		PRE	A			
CALLISTO+	6 OZ/A		PRE	A	6.4	11	10
CALLISTO+	6 OZ/A		POST	B			
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	6.2	10	9
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	5.9	12	10
ATRAZINE+	0.5 PT/A		POST	B			
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	6.1	10	7
ATRAZINE+	1 PT/A		POST	B			
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
LSD (P=.05)					0.69	2.2	4.2
Standard Deviation					0.47	1.5	2.9
CV					7.63	14.24	31.12

The Ohio State University

SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								
Crop Code					ZEAMS	ZEAMS	ZEAMS	
Part Rated					WT.	# EARS	WT.	
Rating Data Type					SYNG.FANCY	US FANCY	US FANCY	
Rating Unit					LBS/PLOT	PER PLOT	LBS/PLOT	
Rating Date					8/14/03	8/14/03	8/14/03	
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	75	76	77	
UNTREATED CONTROL					5.9	2	0.9	
WEED FREE CONTROL					5.3	5	2.2	
CALLISTO	6 OZ/A		PRE	A	7.7	4	1.6	
CALLISTO	7.7 OZ/A		PRE	A	5.5	3	1.1	
CALLISTO+	5 OZ/A		PRE	A	4.6	5	1.9	
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	5.1	6	2.8	
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	6.3	4	1.9	
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	5.7	5	2.2	
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	6.3	3	1.3	
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	4	4	1.7	
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					2.53	3.1	1.44	
Standard Deviation					1.74	2.2	1	
CV					30.97	54.78	56.4	

The Ohio State University

SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #1)

Trial ID: CALATRTANK1W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					ZEAMS	ZEAMS	ZEAMS
Crop Code					# EARS	WT.	WT.
Part Rated					TOTAL MKTB.	TOTAL MKTB.	TOTAL MKTB.
Rating Data Type					PER PLOT	LBS/PLOT	TONS/A.
Rating Unit					8/14/03	8/14/03	8/14/2003
Rating Date					8/14/03	8/14/03	8/14/2003
Treatment	Product	Product	Grow	Appl			
Name	Rate	Rate Unit	Stg	Code	78	79	80
UNTREATED CONTROL					12	6.9	6
WEED FREE CONTROL					14	7.6	6.6
CALLISTO	6 OZ/A		PRE	A	15	9.3	8.1
CALLISTO	7.7 OZ/A		PRE	A	13	6.6	5.7
CALLISTO+	5 OZ/A		PRE	A	13	6.5	5.7
ATRAZINE	2 PT/A		PRE	A			
CALLISTO+	6 OZ/A		PRE	A	14	7.9	6.9
ATRAZINE	2 PT/A		PRE	A			
CALLISTO+	6 OZ/A		PRE	A	15	8.1	7.1
CALLISTO+	6 OZ/A		POST	B			
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	14	7.8	6.8
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	13	7.6	6.6
ATRAZINE+	0.5 PT/A		POST	B			
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	11	5.7	5
ATRAZINE+	1 PT/A		POST	B			
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
LSD (P=.05)					5.1	2.76	2.4
Standard Deviation					3.5	1.9	1.66
CV					26.73	25.72	25.72

The Ohio State University

SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #2)

Trial ID: CALATRTANK2W2003 Study Dir.: Dr. Douglas J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City:	Wooster	Trial Status:	Final
State/Prov.:	Ohio	Trial Reliability:	Reliable
Postal Code:	44691	Initiation Date:	07/01/03
Country:	USA	Planned Completion Date:	12/30/03

Objective: Effect of Callisto, and Callisto + Atrazine tank mixes on weed control and crop tolerance in sweet corn.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	CHEAL	common lambsquarter	<i>Chenopodium album L.</i>
2	AGRASS	annual grasses (various)	<i>Setaria spp., Digitaria spp.</i>
3	AMBEL	common ragweed	<i>Ambrosia artemisiifolia L.</i>
4	TRZAW	winter wheat (volunteer)	<i>Triticum aestivum</i>

Crop 1: ZEAMS SWEET CORN Variety: ROGERS GH0937F1 ATTRIBUTE

Planting Date: 07/01/03 Planting Method: CONVENTIONAL

Rate: 3 SEEDS/FT. Depth: 2 IN

Row Spacing: 30 IN Seed Bed: CONVENTIONAL

Soil Moisture: MOIST

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: FIELD

Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 16	% OM: 3	Texture: SILT LOAM
% Silt: 72	pH: 6.8	Soil Name: WOOSTER SILT LOAM
% Clay: 12	CEC: 14	Fert. Level: MODERATE

APPLICATION DESCRIPTION

	A	B
Application Date:	7/2/2003	8/6/2003
Time of Day:	1-2 PM	2-3 PM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	POST
Applic. Placement:	BDCST	BDCST
Air Temp., Unit:	75 F	80 F
% Relative Humidity:	82	89
Wind Velocity, Unit:	2 MPH	2 MPH
% Cloud Cover:	75	50

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMS PRE	ZEAMS POST
Stage Scale:	.	VEGET.
Height, Unit:	0. .	6 IN

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #2)

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	CHEAL PRE	CHEAL POST
Stage Scale:	.	4-6"
Density, Unit:	.	LOW .
Weed 2 Code, Stage:	AGRAS PRE	AGRAS POST
Stage Scale:	.	4-6"
Density, Unit:	.	LOW .
Weed 3 Code, Stage:	AMBEL PRE	AMBEL POST
Stage Scale:	.	4-6"
Density, Unit:	.	MEDIUM
Weed 4 Code, Stage:	TRZAW .	TRZAW POST
Stage Scale:	.	4-6"
Density, Unit:	.	MEDIUM

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 PLOT	CO2 PLOT
Operating Pressure:	35	35
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8002VS	8002VS
Nozzle Spacing, Unit:	12 IN	12 IN
Nozzles/Row:	10	10
Band Width, Unit:	10 FT	10 FT
Boom Height, Unit:	18	18
Ground Speed, Unit:	4	4

Trial Comments

Visual ratings are from 0-100 ; 0= no crop injury/ no control, and 100 = death of the crop/ complete weed control. Crop injury ratings include percent chlorosis, stunting, and aggregate injury. Weed density was recorded in two 1 square meter quadrats in each plot. Yield data and stand counts were taken from a 10' length of row in the plot center. Crop height was recorded from 3 plants, and measured from the soil line to the collar of the most recently fully expanded leaf. Yield was determined by counting and weighing husked ears. Ears were graded according to the following criteria:

- Syngenta Fancy, (6.5" long & <1.0 cm. of blank tip)
- U.S.Fancy, (6.0" long ; blank tip not an issue)

Total marketable (MKTB.) weight is the sum of SYNGENTA FANCY and U.S FANCY weights, given in tons per acre.

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #2)

Trial ID: CALATRTANK2W2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code							
Crop Code					ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	PLANT
Rating Data Type					CHLOROSIS	STUNT	INJURY
Rating Unit					%	%	%
Rating Date					7/9/2003	7/9/2003	7/9/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3
UNTREATED CONTROL					0	0	0
WEED FREE CONTROL					0	0	0
CALLISTO	6 OZ/A		PRE	A	0	0	0
CALLISTO	7.7 OZ/A		PRE	A	0	0	0
CALLISTO+ ATRAZINE	5 OZ/A 2 PT/A		PRE PRE	A A	0	0	0
CALLISTO+ ATRAZINE	6 OZ/A 2 PT/A		PRE PRE	A A	0	0	0
CALLISTO+ CALLISTO+ NIS+ UAN	6 OZ/A 6 OZ/A 1.6 PT/A 4 PT/A		PRE POST POST POST	A B B B	0	0	0
CALLISTO+ NIS+ UAN	6 OZ/A 1.6 PT/A 4 PT/A		POST POST POST	B B B	0	0	0
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 0.5 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	0	0	0
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 1 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	0	0	0
LSD (P=.05)					0	0	0
Standard Deviation					0	0	0
CV					0	0	0

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #2)

Trial ID: CALATRTANK2W2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

					AGRASS			
Weed Code					ZEAMS			
Crop Code					ZEAMS			
Part Rated					PLANT			
Rating Data Type					CHLOROSIS			
Rating Unit					STUNT			
Rating Date					INJURY			
					CONTROL			
					%			
					7/23/2003			
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	4	5	6	7
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	0	99
CALLISTO	6 OZ/A		PRE	A	0	0	0	86
CALLISTO	7.7 OZ/A		PRE	A	4	1	4	86
CALLISTO+	5 OZ/A		PRE	A	0	0	0	89
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	4	3	4	81
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	3	0	3	86
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	0	0
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					4.4	2.6	4.4	9.1
Standard Deviation					3.1	1.8	3.1	6.2
CV					305.81	478.34	305.81	11.84

The Ohio State University

SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #2)

Trial ID: CALATRTANK2W2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					AMBEL	CHEAL		
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	PLANT	PLANT
Rating Data Type					CONTROL	CONTROL	CHLOROSIS	STUNT
Rating Unit					%	%	%	%
Rating Date					7/23/2003	7/23/2003	8/13/2003	8/13/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	8	9	10	11
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	0	0
CALLISTO	6 OZ/A		PRE	A	99	99	0	0
CALLISTO	7.7 OZ/A		PRE	A	99	99	0	0
CALLISTO+	5 OZ/A		PRE	A	99	99	0	0
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	99	0	3
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	99	99	33	24
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	23	18
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	38	36
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	0	0	11	5
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					0	0	13	10.6
Standard Deviation					0	0	8.9	7.3
CV					0	0	86.15	86.29

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #2)

Trial ID: CALATRTANK2W2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					AGRASS	AMBEL	CHEAL
Crop Code					ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	WEED	WEED
Rating Data Type					INJURY	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					8/13/2003	8/13/2003	8/13/2003
Treatment	Product	Product	Grow	Appl			
Name	Rate	Rate Unit	Stg	Code	12	13	14
							15
UNTREATED CONTROL					0	0	0
WEED FREE CONTROL					0	99	99
CALLISTO	6 OZ/A		PRE	A	0	85	96
CALLISTO	7.7 OZ/A		PRE	A	0	89	98
CALLISTO+	5 OZ/A		PRE	A	0	91	99
ATRAZINE	2 PT/A		PRE	A			
CALLISTO+	6 OZ/A		PRE	A	3	81	99
ATRAZINE	2 PT/A		PRE	A			
CALLISTO+	6 OZ/A		PRE	A	31	95	99
CALLISTO+	6 OZ/A		POST	B			
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	25	89	97
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	44	99	99
ATRAZINE+	0.5 PT/A		POST	B			
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
CALLISTO+	6 OZ/A		POST	B	14	97	99
ATRAZINE+	1 PT/A		POST	B			
NIS+	1.6 PT/A		POST	B			
UAN	4 PT/A		POST	B			
LSD (P=.05)					13.1	8.5	2.9
Standard Deviation					9	5.8	2
CV					77.64	7.07	2.25

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #2)

Trial ID: CALATRTANK2W2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								AGRASS
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	PLANT	WEED
Rating Data Type					CHLOROSIS	STUNT	INJURY	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/27/2003	8/27/2003	8/27/2003	8/27/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	16	17	18	19
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	0	99
CALLISTO	6 OZ/A		PRE	A	0	0	0	86
CALLISTO	7.7 OZ/A		PRE	A	0	0	0	90
CALLISTO+	5 OZ/A		PRE	A	0	0	0	89
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	0	0	0	81
ATRAZINE	2 PT/A		PRE	A				
CALLISTO+	6 OZ/A		PRE	A	36	8	44	99
CALLISTO+	6 OZ/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	29	8	36	99
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	34	11	43	99
ATRAZINE+	0.5 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
CALLISTO+	6 OZ/A		POST	B	10	6	16	97
ATRAZINE+	1 PT/A		POST	B				
NIS+	1.6 PT/A		POST	B				
UAN	4 PT/A		POST	B				
LSD (P=.05)					7.3	2.3	8.2	7.2
Standard Deviation					5.1	1.6	5.7	4.9
CV					46.46	47.74	40.9	5.89

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #2)

Trial ID: CALATRTANK2W2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code					AMBEL	CHEAL	
Crop Code					ZEAMS	ZEAMS	ZEAMS
Part Rated					WEED	WEED	PLANTS
Rating Data Type					CONTROL	CONTROL	STAND COUNT
Rating Unit					%	%	PER 10'
Rating Date					8/27/2003	8/27/2003	9/30/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	20	21	22
UNTREATED CONTROL					0	0	12
WEED FREE CONTROL					99	99	10
CALLISTO	6 OZ/A		PRE	A	93	95	10
CALLISTO	7.7 OZ/A		PRE	A	97	97	9
CALLISTO+ ATRAZINE	5 OZ/A 2 PT/A		PRE PRE	A A	99	99	11
CALLISTO+ ATRAZINE	6 OZ/A 2 PT/A		PRE PRE	A A	96	99	11
CALLISTO+ CALLISTO+ NIS+ UAN	6 OZ/A 6 OZ/A 1.6 PT/A 4 PT/A		PRE POST POST POST	A B B B	97	99	10
CALLISTO+ NIS+ UAN	6 OZ/A 1.6 PT/A 4 PT/A		POST POST POST	B B B	97	99	9
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 0.5 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	99	99	10
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 1 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	99	99	10
LSD (P=.05)					5.1	3.1	2.1
Standard Deviation					3.5	2.1	1.4
CV					4	2.38	14.06

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #2)

Trial ID: CALATRTANK2W2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

	ZEAMS	ZEAMS	ZEAMS
	# EARS	WT.	# EARS
	SYNG.FANCY	SYNG.FANCY	US FANCY
	PER PLOT	LBS/PLOT	PER PLOT
	9/30/2003	9/30/2003	9/30/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	23	24	25
UNTREATED CONTROL					8	4.5	6
WEED FREE CONTROL					8	4.3	6
CALLISTO	6 OZ/A		PRE	A	11	6.4	3
CALLISTO	7.7 OZ/A		PRE	A	9	5.3	4
CALLISTO+ ATRAZINE	5 OZ/A 2 PT/A		PRE PRE	A A	10	5.9	3
CALLISTO+ ATRAZINE	6 OZ/A 2 PT/A		PRE PRE	A A	9	5.1	5
CALLISTO+ CALLISTO+ NIS+ UAN	6 OZ/A 6 OZ/A 1.6 PT/A 4 PT/A		PRE POST POST POST	A B B B	7	4.2	5
CALLISTO+ NIS+ UAN	6 OZ/A 1.6 PT/A 4 PT/A		POST POST POST	B B B	6	3.7	6
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 0.5 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	7	3.8	3
CALLISTO+ ATRAZINE+ NIS+ UAN	6 OZ/A 1 PT/A 1.6 PT/A 4 PT/A		POST POST POST POST	B B B B	9	5.3	5
LSD (P=.05)					2.5	1.51	2.8
Standard Deviation					1.7	1.04	1.9
CV					20.88	21.51	43

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SWEET CORN- CALLISTO AND ATRAZINE TANK MIXES (SITE #2)

Trial ID: CALATRTANK2W2003 Study Dir.: Dr. Douglas
J. Doohan and T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS

ZEAMS

ZEAMS

ZEAMS

WT.

EARS

EARS

EARS

US FANCY

MKTBLE.

MKTB.WT

TOTAL MKTB.

LBS/PLOT

PER PLOT

LBS/PLOT

TONS/A.

9/30/2003

9/30/2003

9/30/2003

9/30/2003

Treatment

Product

Product

Grow

Appl

Name

Rate

Rate Unit

Stg

Code

26

27

28

29

UNTREATED CONTROL

2.9

14

6.7

5.9

WEED FREE CONTROL

2.9

13

7.2

6.3

CALLISTO

6 OZ/A

PRE

A

1.4

14

7.8

6.8

CALLISTO

7.7 OZ/A

PRE

A

1.6

13

6.9

6.1

CALLISTO+

5 OZ/A

PRE

A

1.4

13

7.3

6.4

ATRAZINE

2 PT/A

PRE

A

CALLISTO+

6 OZ/A

PRE

A

2.3

13

7

6.1

ATRAZINE

2 PT/A

PRE

A

CALLISTO+

6 OZ/A

PRE

A

2

12

6.2

5.4

CALLISTO+

6 OZ/A

POST

B

NIS+

1.6 PT/A

POST

B

UAN

4 PT/A

POST

B

CALLISTO+

6 OZ/A

POST

B

2.4

13

6.1

5.3

NIS+

1.6 PT/A

POST

B

UAN

4 PT/A

POST

B

CALLISTO+

6 OZ/A

POST

B

1.1

10

4.9

4.3

ATRAZINE+

0.5 PT/A

POST

B

NIS+

1.6 PT/A

POST

B

UAN

4 PT/A

POST

B

CALLISTO+

6 OZ/A

POST

B

2

14

7.3

6.3

ATRAZINE+

1 PT/A

POST

B

NIS+

1.6 PT/A

POST

B

UAN

4 PT/A

POST

B

LSD (P=.05)

1.38

2.9

1.87

1.63

Standard Deviation

0.95

2

1.29

1.12

CV

47.35

15.57

19.05

19.05

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City:	Wooster	Trial Status:	Final
State/Prov.:	Ohio	Trial Reliability:	Reliable
Postal Code:	44691	Initiation Date:	05/27/03
Country:	USA	Planned Completion Date:	08/20/03

Objective: Effect of crop & weed stage of growth on performance & crop safety of Callisto and Callisto + Atrazine tank mixes.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	CHEAL	common lambsquarter	<i>Chenopodium album L.</i>
2	AGRASS	annual grasses (vs.)	<i>Setaria spp.and Digitaria spp.</i>
3	AMBEL	common ragweed	<i>Ambrosia artemesifolia L.</i>
4	TAROF	dandelion	<i>Taraxacum officinale Weber</i>
5	AMBTR	giant ragweed	<i>Ambrosia trifida</i>
6	CIRAR	Canada thistle	<i>Cirsium arvense (L) Scop.</i>
7	ABUTH	velvetleaf	<i>Abutilon theophrasti Medicus</i>
8	RUMMA	red sorrel	<i>Rumex acetosella L.</i>
9	CAPBP	shepherd's purse	<i>Capsella bursa-pastoris (L.) Medicus</i>
10	VICVI	hairy vetch	<i>Vicia villosa Roth</i>
11	AGGRE	quackgrass	<i>Elytrigia repens (L.) nevski</i>
12	OXAST	yellow woodsorrel	<i>Oxalis stricta L.</i>
13	TRFRE	white clover	<i>Trifolium repens L.</i>
14	SOLCA	horsenettle	<i>Solanum carolinse L.</i>

Crop 1: ZEAMS SWEET CORN Variety: ROGERS GH0937F1 ATTRIBUTE

Planting Date: 05/23/02 Planting Method: CONVENTIONAL

Rate: 3 SEEDS/FT. Depth: 1.5 "

Row Spacing: 30 " Seed Bed: CONVENTIONAL

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: LEVEL FIELD

Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 16	% OM: 3	Texture: SILT LOAM
% Silt: 72	pH: 6.8	Soil Name: WOOSTER SILT LOAM
% Clay: 12	CEC: 14	Fert. Level: MODERATE

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

APPLICATION DESCRIPTION

	A	B
Application Date:	6/24/2003	7/25/2003
Time of Day:	10-11AM	9-10 AM
Application Method:	SPRAY	SPRAY
Application Timing:	EPOST	LPOST
Applic. Placement:	BDCST	BDCST
Air Temp., Unit:	70 F	65 F
% Relative Humidity:	71	79
Wind Velocity, Unit:	2 MPH	2 MPH
% Cloud Cover:	40	50

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMS EPOST	ZEAMS LPOST
Stage Scale:	VEGETAT.	VEGETAT.
Height, Unit:	4 IN.	10 IN.

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	CHEAL EPOST	CHEAL LPOST
Stage Scale:	1- 2"	3-5"
Density, Unit:	MEDIUM	MEDIUM
Weed 2 Code, Stage:	AGRAS EPOST	AGRAS LPOST
Stage Scale:	1- 2"	3-5"
Density, Unit:	MEDIUM	MEDIUM
Weed 3 Code, Stage:	AMBEL EPOST	AMBEL LPOST
Stage Scale:	1- 2"	3-5"
Density, Unit:	MEDIUM	MEDIUM
Weed 4 Code, Stage:	TAROF EPOST	TAROF LPOST
Stage Scale:	1- 2"	3-5"
Density, Unit:	MEDIUM	MEDIUM
Weed 5 Code, Stage:	AMBTR EPOST	AMBTR LPOST
Stage Scale:	1- 2"	3-5"
Density, Unit:	MEDIUM	MEDIUM
Weed 6 Code, Stage:	CIRAR EPOST	CIRAR LPOST
Stage Scale:	1- 2"	3-5"
Density, Unit:	MEDIUM	MEDIUM
Weed 7 Code, Stage:	ABUTH EPOST	ABUTH LPOST
Stage Scale:	1- 2"	3-5"
Density, Unit:	MEDIUM	MEDIUM
Weed 8 Code, Stage:	RUMMA	RUMMA LPOST
Stage Scale:	1- 2"	3-5"
Density, Unit:	MEDIUM	MEDIUM
Weed 9 Code, Stage:	CAPBP EPOST	CAPBP LPOST
Stage Scale:	1- 2"	3-5"
Density, Unit:	MEDIUM	MEDIUM
Weed10 Code, Stage:	VICVI EPOST	VICVI LPOST
Stage Scale:	1- 2"	3-5"
Density, Unit:	MEDIUM	MEDIUM
Weed11 Code, Stage:	AGGRE EPOST	AGGRE LPOST
Stage Scale:	1- 2 "	3-5"
Density, Unit:	MEDIUM	MEDIUM

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Weed12 Code, Stage: OXAST EPOST OXAST LPOST
Stage Scale: 1- 2" 3-5"
Density, Unit: MEDIUM MEDIUM

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 PLOT	CO2 PLOT
Operating Pressure:	35	35
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8002VS	8002VS
Nozzle Spacing, Unit:	12 IN.	12 IN.
Nozzles/Row:	10	10
Band Width, Unit:	10 FT	10 FT
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	20 GPA	20 GPA
Propellant:	CO2	CO2

Trial Comments

Visual ratings are from 0-100; 0=no crop injury/ no control, and 100 = death of the crop/complete weed control. Crop injury ratings include percent chlorosis, stunting, and aggregate injury. Weed density was recorded in two 1 square meter quadrats in each plot. Yield data and stand counts were taken from a 10' length of row in the plot center.

Crop heights were taken from 3 plants, measured from the soil line to collar of the most recent fully expanded leaf. Ear weights were taken without husks, and were weighed in pounds. We used the following sweet corn yield evaluation parameters. They were:

a) Syngenta Fancy, (6.5" long & <1.0 cm. of blank tip)

b) U.S.Fancy, (6.0" long ; blank tip not an issue)

Total marketable (MKTB.) weight is the sum of SYNGENTA FANCY and U.S FANCY weights, given in tons per acre.

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AGRASS	TRFRE	AMBEL	TAROF
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNTS	COUNTS	COUNTS	COUNTS
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	6/27/2003	6/27/2003	6/27/2003	6/27/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4
UNTREATED CONTROL					0	0	0	1
WEED FREE CONTROL					0	0	0	1
CALLISTO+	3 OZ/A		EPOST	A	10	0	0	2
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	7	0	0	0
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	3 OZ/A		EPOST	A	1	0	0	0
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	0	0	1	3
ATRAZINE	1 PT/A		LPOST	>B				
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	1.5 OZ/A		EPOST	A	4	0	0	1
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AGRASS	TRFRE	AMBEL	TAROF
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNTS	COUNTS	COUNTS	COUNTS
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	6/27/2003	6/27/2003	6/27/2003	6/27/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4
CALLISTO+	1.5 OZ/A		LPOST	B	2	0	0	1
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	11	3	0	1
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	1	0	1	1
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	13.2	2.5	1.1	2.6
Standard Deviation	9.1	1.7	0.7	1.8
CV	258.18	536.14	367.68	181.56

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AMBTR	CHEAL	OXAST	RUMAA
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNTS	COUNTS	COUNTS	COUNTS
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	6/27/2003	6/27/2003	6/27/2003	6/27/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	5	6	7	8
UNTREATED CONTROL					0	1	5	8
WEED FREE CONTROL					0	0	0	1
CALLISTO+	3 OZ/A		EPOST	A	0	0	0	5
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	10
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	3 OZ/A		EPOST	A	0	0	0	7
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	8	4
ATRAZINE	1 PT/A		LPOST>	B				
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	1.5 OZ/A		EPOST	A	0	0	0	1
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AMBTR	CHEAL	OXAST	RUMAA
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNTS	COUNTS	COUNTS	COUNTS
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	6/27/2003	6/27/2003	6/27/2003	6/27/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	5	6	7	8
CALLISTO+	1.5 OZ/A		LPOST	B	0	1	0	2
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	0	0	1	1
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	3	2
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	0.2	1.4	8.1	10.9
Standard Deviation	0.2	1	5.6	7.5
CV	632.46	398.52	314.93	188.32

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CIRAR	ABUTH		
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	PLANT	PLANT
Rating Data Type	COUNTS	COUNTS	CHLOROSIS	STUNT
Rating Unit	PER PLOT	PER PLOT	%	%
Rating Date	6/27/2003	6/27/2003	7/2/2003	7/2/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	9	10	11	12
UNTREATED CONTROL					5	1	0	0
WEED FREE CONTROL					10	0	0	0
CALLISTO+	3 OZ/A		EPOST	A	3	0	9	6
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	8	0	0	0
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	3 OZ/A		EPOST	A	8	0	20	13
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	2	0	0	0
ATRAZINE	1 PT/A		LPOST	>B				
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	1.5 OZ/A		EPOST	A	15	0	0	0
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CIRAR	ABUTH		
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	PLANT	PLANT
Rating Data Type	COUNTS	COUNTS	CHLOROSIS	STUNT
Rating Unit	PER PLOT	PER PLOT	%	%
Rating Date	6/27/2003	6/27/2003	7/2/2003	7/2/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	9	10	11	12
CALLISTO+	1.5 OZ/A		LPOST	B	7	0	0	0
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	8	0	3	0
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	11	0	0	0
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	13	0.8	7.3	1.7
Standard Deviation	9	0.5	5	1.2
CV	116.65	312.5	161.4	62.33

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code		AGRASS	AMBEL	AMBTR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	PLANT	WEED	PLANT	WEED
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/2/2003	7/2/2003	7/2/2003	7/2/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	99	99	99
CALLISTO+	3 OZ/A		EPOST	A	9	99	99	99
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	0
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	3 OZ/A		EPOST	A	28	99	99	99
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	0
ATRAZINE	1 PT/A		LPOST>	B				
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	1.5 OZ/A		EPOST	A	0	99	99	99
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code		AGRASS	AMBEL	AMBTR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	PLANT	WEED	PLANT	WEED
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/2/2003	7/2/2003	7/2/2003	7/2/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	0
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	3	99	99	99
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	0
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	3.4	0	0	0
Standard Deviation	2.4	0	0	0
CV	61.21	0	0	0

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	OXAST	CAPBP	CIRAR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/2/2003	7/2/2003	7/2/2003	7/2/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	17	18	19	20
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO+	3 OZ/A		EPOST	A	99	99	99	99
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	0
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	3 OZ/A		EPOST	A	99	99	99	96
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	0
ATRAZINE	1 PT/A		LPOST>	B				
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	99	99	60
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	OXAST	CAPBP	CIRAR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/2/2003	7/2/2003	7/2/2003	7/2/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	17	18	19	20
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	0
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	99	99	99
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	0
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	0	0	0	21.5
Standard Deviation	0	0	0	14.8
CV	0	0	0	32.72

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	ABUTH	AGGRE		
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	PLANT	PLANT
Rating Data Type	CONTROL	CONTROL	CHLOROSIS	STUNT
Rating Unit	%	%	%	%
Rating Date	7/2/2003	7/2/2003	7/24/2003	7/24/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	21	22	23	24
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	0	0	0
CALLISTO+	3 OZ/A		EPOST	A	99	0	0	0
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	0
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	3 OZ/A		EPOST	A	99	1	0	4
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	0
ATRAZINE	1 PT/A		LPOST>	B				
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	0	0	8
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	ABUTH	AGGRE		
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	PLANT	PLANT
Rating Data Type	CONTROL	CONTROL	CHLOROSIS	STUNT
Rating Unit	%	%	%	%
Rating Date	7/2/2003	7/2/2003	7/24/2003	7/24/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	21	22	23	24
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	0
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	0	0	5
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	0
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	0	1.1	0	4.5
Standard Deviation	0	0.8	0	3.1
CV	0	632.46	0	191.65

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code		AGRASS	AMBEL	AMBTR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	PLANT	WEED	PLANT	WEED
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/24/2003	7/24/2003	7/24/2003	7/24/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	25	26	27	28
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	99	74	74
CALLISTO+	3 OZ/A		EPOST	A	0	99	99	99
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	0
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	3 OZ/A		EPOST	A	4	99	99	99
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	0
ATRAZINE	1 PT/A		LPOST>	B				
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	1.5 OZ/A		EPOST	A	8	99	99	74
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code		AGRASS	AMBEL	AMBTR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	PLANT	WEED	PLANT	WEED
Rating Data Type	INJURY	CONTROL	INJURY	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/24/2003	7/24/2003	7/24/2003	7/24/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	25	26	27	28
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	0
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	5	99	99	99
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	0
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	4.5	0	22.7	32.7
Standard Deviation	3.1	0	15.7	22.5
CV	191.65	0	33.29	50.6

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	OXAST	RUMAA	CIRAR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/24/2003	7/24/2003	7/24/2003	7/24/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	29	30	31	32
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO+	3 OZ/A		EPOST	A	99	99	77	99
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	0
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	3 OZ/A		EPOST	A	99	99	72	82
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	0
ATRAZINE	1 PT/A		LPOST>	B				
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	99	62	30
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	OXAST	RUMAA	CIRAR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/24/2003	7/24/2003	7/24/2003	7/24/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	29	30	31	32
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	0
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	99	97	99
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	0
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	0	0	26.7	25.9
Standard Deviation	0	0	18.4	17.9
CV	0	0	45.32	43.73

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	ABUTH	VICVI	AGGRE	AGRASS
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	COUNTS
Rating Unit	%	%	%	PER PLOT
Rating Date	7/24/2003	7/24/2003	7/24/2003	8/13/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	33	34	35	36
UNTREATED CONTROL					0	0	0	1
WEED FREE CONTROL					99	99	99	1
CALLISTO+	3 OZ/A		EPOST	A	99	94	50	6
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	4
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	3 OZ/A		EPOST	A	99	97	74	1
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	0	0
ATRAZINE	1 PT/A		LPOST>	B				
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	97	75	6
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	ABUTH	VICVI	AGGRE	AGRASS
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	COUNTS
Rating Unit	%	%	%	PER PLOT
Rating Date	7/24/2003	7/24/2003	7/24/2003	8/13/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	33	34	35	36
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	5
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	90	55	9
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	0
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	0	6.5	46	9.7
Standard Deviation	0	4.5	31.7	6.7
CV	0	9.43	90.16	213.82

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AMBEL	AMBTR	CHEAL	OXAST
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNTS	COUNTS	COUNTS	COUNTS
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	8/13/2003	8/13/2003	8/13/2003	8/13/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	37	38	39	40
UNTREATED CONTROL					0	0	1	2
WEED FREE CONTROL					0	0	1	4
CALLISTO+	3 OZ/A		EPOST	A	0	0	0	0
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	0	1	0	0
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	3 OZ/A		EPOST	A	0	3	0	0
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	0	0	0	0
ATRAZINE	1 PT/A		LPOST	>B				
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	1.5 OZ/A		EPOST	A	0	0	0	0
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AMBEL	AMBTR	CHEAL	OXAST
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	COUNTS	COUNTS	COUNTS	COUNTS
Rating Unit	PER PLOT	PER PLOT	PER PLOT	PER PLOT
Rating Date	8/13/2003	8/13/2003	8/13/2003	8/13/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	37	38	39	40
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	0
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	0	0	0	0
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	0	1
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	0	2.4	1.1	3.7
Standard Deviation	0	1.7	0.7	2.5
CV	0	440.5	426.98	404.86

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	RUMAA	CIRAR	ABUTH	
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	PLANT
Rating Data Type	COUNTS	COUNTS	COUNTS	CHLOROSIS
Rating Unit	PER PLOT	PER PLOT	PER PLOT	%
Rating Date	8/13/2003	8/13/2003	8/13/2003	8/5/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	41	42	43	44
UNTREATED CONTROL					0	6	1	0
WEED FREE CONTROL					0	9	0	0
CALLISTO+	3 OZ/A		EPOST	A	0	0	0	0
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	0	6	0	3
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	3 OZ/A		EPOST	A	0	4	0	0
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	0	1	0	0
ATRAZINE	1 PT/A		LPOST	>B				
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	1.5 OZ/A		EPOST	A	0	3	0	0
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	RUMAA	CIRAR	ABUTH	
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	PLANT
Rating Data Type	COUNTS	COUNTS	COUNTS	CHLOROSIS
Rating Unit	PER PLOT	PER PLOT	PER PLOT	%
Rating Date	8/13/2003	8/13/2003	8/13/2003	8/5/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	41	42	43	44
CALLISTO+	1.5 OZ/A		LPOST	B	0	5	0	0
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	0	0	0	0
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	0	6	0	0
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	0	7.9	0.7	2.3
Standard Deviation	0	5.4	0.5	1.6
CV	0	138.74	632.46	632.46

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code			AMBEL	AMBTR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	PLANT	PLANT	WEED	PLANT
Rating Data Type	STUNT	INJURY	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	45	46	47	48
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	92	99
CALLISTO+	3 OZ/A		EPOST	A	0	0	45	99
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	5	0	35	84
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	3 OZ/A		EPOST	A	6	0	50	99
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	9	0	99	99
ATRAZINE	1 PT/A		LPOST	>B				
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	1.5 OZ/A		EPOST	A	9	0	74	99
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code			AMBEL	AMBTR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	PLANT	PLANT	WEED	PLANT
Rating Data Type	STUNT	INJURY	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	45	46	47	48
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	89	99
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	0	0	50	74
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	78	99
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	11.2	0	60.1	25.1
Standard Deviation	7.7	0	41.4	17.3
CV	268.96	0	67.86	20.33

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	OXAST	RUMAA	CIRAR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	49	50	51	52
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	74	65	74
CALLISTO+	3 OZ/A		EPOST	A	99	99	45	92
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	84	84	60	35
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	3 OZ/A		EPOST	A	99	99	50	74
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	99	99	74	97
ATRAZINE	1 PT/A		LPOST	>B				
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	99	50	52
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CHEAL	OXAST	RUMAA	CIRAR
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	49	50	51	52
CALLISTO+	1.5 OZ/A		LPOST	B	84	99	62	30
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	74	74	70	50
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	99	99	94	85
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	29.2	31	59.1	49.2
Standard Deviation	20.1	21.4	40.7	33.9
CV	24.02	25.88	71.71	57.64

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code	ABUTH	TAROF	VICVI	SOLCA
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	53	54	55	56
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	74	25	65
CALLISTO+	3 OZ/A		EPOST	A	99	99	52	82
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	> B	79	84	84	82
COC+	1.6 PT/A		LPOST	> B				
UAN	4 PT/A		LPOST	> B				
CALLISTO+	3 OZ/A		EPOST	A	99	99	72	99
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	> B	99	99	99	99
ATRAZINE	1 PT/A		LPOST	> B				
COC+	1.6 PT/A		LPOST	> B				
UAN	4 PT/A		LPOST	> B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	99	74	99
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	ABUTH	TAROF	VICVI	SOLCA
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	53	54	55	56
CALLISTO+	1.5 OZ/A		LPOST	B	99	97	99	99
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	74	74	25	74
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	99	99	99	99
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	27.4	30.7	43.8	37.3
Standard Deviation	18.9	21.1	30.2	25.7
CV	22.34	25.64	47.99	32.22

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS	ZEAMS	ZEAMS	ZEAMS
PLANT C	PLANT C	PLANT C	PLANT
HEIGHT	HEIGHT	HEIGHT	CHLOROSIS
FEET	FEET	FEET	%
8/18/2003	8/18/2003	8/18/2003	8/15/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	57	58	59	60
UNTREATED CONTROL					6.6	6.8	6.5	0
WEED FREE CONTROL					6.2	6.4	6.5	0
CALLISTO+	3 OZ/A		EPOST	A	6.8	6.8	6.8	0
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	7.2	6.7	6.6	0
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	3 OZ/A		EPOST	A	6.7	6.6	6.6	0
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	6.6	6.3	6.4	0
ATRAZINE	1 PT/A		LPOST	>B				
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	1.5 OZ/A		EPOST	A	6.4	6.5	6.6	0
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS	ZEAMS	ZEAMS	ZEAMS
PLANT C	PLANT C	PLANT C	PLANT
HEIGHT	HEIGHT	HEIGHT	CHLOROSIS
FEET	FEET	FEET	%
8/18/2003	8/18/2003	8/18/2003	8/15/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	57	58	59	60
CALLISTO+	1.5 OZ/A		LPOST	B	6.1	6	6.3	0
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	6.3	6.4	6.4	0
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	5.9	6.2	6.3	0
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	0.51	0.65	0.65	0
Standard Deviation	0.35	0.45	0.45	0
CV	5.41	6.93	6.94	0

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code			AGRASS	AMBEL
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	PLANT	PLANT	WEED	WEED
Rating Data Type	STUNT	INJURY	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/15/2003	8/15/2003	8/15/2003	8/15/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	61	62	63	64
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	97	99
CALLISTO+	3 OZ/A		EPOST	A	0	0	97	99
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	98	97
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	3 OZ/A		EPOST	A	0	0	99	99
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	0	0	99	99
ATRAZINE	1 PT/A		LPOST>	B				
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	1.5 OZ/A		EPOST	A	0	0	99	99
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code				AGRASS	AMBEL
Crop Code			ZEAMS	ZEAMS	ZEAMS
Part Rated			PLANT	PLANT	WEED
Rating Data Type			STUNT	INJURY	CONTROL
Rating Unit			%	%	%
Rating Date			8/15/2003	8/15/2003	8/15/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	61	62	63	64
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	99	99
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	0	0	99	99
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	0	0	99	77
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	0	0	2.8	20.3
Standard Deviation	0	0	1.9	14
CV	0	0	2.14	16.14

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AMBTR	CHEAL	OXAST	RUMAA
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/15/2003	8/15/2003	8/15/2003	8/15/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	65	66	67	68
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO+	3 OZ/A		EPOST	A	99	99	97	88
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	99	99	96	72
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	3 OZ/A		EPOST	A	99	99	98	70
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST>	B	99	99	99	96
ATRAZINE	1 PT/A		LPOST>	B				
COC+	1.6 PT/A		LPOST>	B				
UAN	4 PT/A		LPOST>	B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	99	99	81
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	AMBTR	CHEAL	OXAST	RUMAA
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/15/2003	8/15/2003	8/15/2003	8/15/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	65	66	67	68
CALLISTO+	1.5 OZ/A		LPOST	B	99	99	99	74
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	99	99	99
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	99	99	99	97
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	0	0	3.6	34.8
Standard Deviation	0	0	2.5	24
CV	0	0	2.8	30.94

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CIRAR	ABUTH	SOLCA	AGGRE
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/15/2003	8/15/2003	8/15/2003	8/15/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	69	70	71	72
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					99	99	99	99
CALLISTO+	3 OZ/A		EPOST	A	99	99	87	94
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	74	99	99	98
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	3 OZ/A		EPOST	A	94	99	96	96
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	3 OZ/A		LPOST	>B	99	99	99	99
ATRAZINE	1 PT/A		LPOST	>B				
COC+	1.6 PT/A		LPOST	>B				
UAN	4 PT/A		LPOST	>B				
CALLISTO+	1.5 OZ/A		EPOST	A	96	99	74	91
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	CIRAR	ABUTH	SOLCA	AGGRE
Crop Code	ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/15/2003	8/15/2003	8/15/2003	8/15/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	69	70	71	72
CALLISTO+	1.5 OZ/A		LPOST	B	94	99	99	79
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				
CALLISTO+	1.5 OZ/A		EPOST	A	99	99	74	77
ATRAZINE	1 PT/A		EPOST	A				
COC+	1.6 PT/A		EPOST	A				
UAN	4 PT/A		EPOST	A				
CALLISTO+	1.5 OZ/A		LPOST	B	95	99	74	91
ATRAZINE	1 PT/A		LPOST	B				
COC+	1.6 PT/A		LPOST	B				
UAN	4 PT/A		LPOST	B				

LSD (P=.05)	18.2	0	41.4	28.3
Standard Deviation	12.5	0	28.5	19.5
CV	14.81	0	35.59	23.67

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	VICVI		
Crop Code	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	PLANT	# EARS
Rating Data Type	CONTROL	STAND CT.	SYNG.FANCY
Rating Unit	%	PER 10'	PER PLOT
Rating Date	8/15/2003	8/14/2003	8/14/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	73	74	75
UNTREATED CONTROL					0	12	10
WEED FREE CONTROL					99	13	11
CALLISTO+	3 OZ/A		EPOST	A	98	12	10
COC+	1.6 PT/A		EPOST	A			
UAN	4 PT/A		EPOST	A			
CALLISTO+	3 OZ/A		LPOST	>B	98	15	12
COC+	1.6 PT/A		LPOST	>B			
UAN	4 PT/A		LPOST	>B			
CALLISTO+	3 OZ/A		EPOST	A	92	13	8
ATRAZINE	1 PT/A		EPOST	A			
COC+	1.6 PT/A		EPOST	A			
UAN	4 PT/A		EPOST	A			
CALLISTO+	3 OZ/A		LPOST	>B	99	10	10
ATRAZINE	1 PT/A		LPOST	>B			
COC+	1.6 PT/A		LPOST	>B			
UAN	4 PT/A		LPOST	>B			
CALLISTO+	1.5 OZ/A		EPOST	A	94	11	10
COC+	1.6 PT/A		EPOST	A			
UAN	4 PT/A		EPOST	A			

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code	VICVI		
Crop Code	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	PLANT	# EARS
Rating Data Type	CONTROL	STAND CT.	SYNG.FANCY
Rating Unit	%	PER 10'	PER PLOT
Rating Date	8/15/2003	8/14/2003	8/14/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	73	74	75
CALLISTO+	1.5 OZ/A		LPOST	B	99	12	8
COC+	1.6 PT/A		LPOST	B			
UAN	4 PT/A		LPOST	B			
CALLISTO+	1.5 OZ/A		EPOST	A	90	10	9
ATRAZINE	1 PT/A		EPOST	A			
COC+	1.6 PT/A		EPOST	A			
UAN	4 PT/A		EPOST	A			
CALLISTO+	1.5 OZ/A		LPOST	B	99	13	9
ATRAZINE	1 PT/A		LPOST	B			
COC+	1.6 PT/A		LPOST	B			
UAN	4 PT/A		LPOST	B			

LSD (P=.05)	7.7	2.6	2.7
Standard Deviation	5.3	1.8	1.8
CV	6.11	14.8	19.05

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS	ZEAMS	ZEAMS
WT.	# EARS	WT.
SYNG.FANCY	US FANCY	US FANCY
LBS/PLOT	PER PLOT	LBS/PLOT
8/14/2003	8/14/2003	8/14/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	76	77	78
UNTREATED CONTROL					5.9	4	1.7
WEED FREE CONTROL					6.3	4	1.6
CALLISTO+	3 OZ/A		EPOST	A	5.9	4	1.7
COC+	1.6 PT/A		EPOST	A			
UAN	4 PT/A		EPOST	A			
CALLISTO+	3 OZ/A		LPOST	>B	6.6	4	1.5
COC+	1.6 PT/A		LPOST	>B			
UAN	4 PT/A		LPOST	>B			
CALLISTO+	3 OZ/A		EPOST	A	4.6	7	3.1
ATRAZINE	1 PT/A		EPOST	A			
COC+	1.6 PT/A		EPOST	A			
UAN	4 PT/A		EPOST	A			
CALLISTO+	3 OZ/A		LPOST	>B	5.3	4	1.5
ATRAZINE	1 PT/A		LPOST	>B			
COC+	1.6 PT/A		LPOST	>B			
UAN	4 PT/A		LPOST	>B			
CALLISTO+	1.5 OZ/A		EPOST	A	5.8	5	1.8
COC+	1.6 PT/A		EPOST	A			
UAN	4 PT/A		EPOST	A			

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS	ZEAMS	ZEAMS
WT.	# EARS	WT.
SYNG.FANCY	US FANCY	US FANCY
LBS/PLOT	PER PLOT	LBS/PLOT
8/14/2003	8/14/2003	8/14/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	76	77	78
CALLISTO+	1.5 OZ/A		LPOST	B	4.5	4	1.6
COC+	1.6 PT/A		LPOST	B			
UAN	4 PT/A		LPOST	B			
CALLISTO+	1.5 OZ/A		EPOST	A	5.2	3	1.1
ATRAZINE	1 PT/A		EPOST	A			
COC+	1.6 PT/A		EPOST	A			
UAN	4 PT/A		EPOST	A			
CALLISTO+	1.5 OZ/A		LPOST	B	5.4	6	2.4
ATRAZINE	1 PT/A		LPOST	B			
COC+	1.6 PT/A		LPOST	B			
UAN	4 PT/A		LPOST	B			

LSD (P=.05)	1.71	3.6	1.47
Standard Deviation	1.18	2.5	1.01
CV	21.27	56.13	56.4

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS	ZEAMS	ZEAMS
# EARS	WT.	WT.
TOTAL MKTB.	TOTAL MKTB.	TOTAL MKTB.
PER PLOT	LBS/PLOT	TONS/A.
8/14/2003	8/14/2003	8/14/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	79	80	81
UNTREATED CONTROL					14	7.6	6.6
WEED FREE CONTROL					15	7.9	6.9
CALLISTO+	3 OZ/A		EPOST	A	14	7.6	6.6
COC+	1.6 PT/A		EPOST	A			
UAN	4 PT/A		EPOST	A			
CALLISTO+	3 OZ/A		LPOST	>B	15	8	7
COC+	1.6 PT/A		LPOST	>B			
UAN	4 PT/A		LPOST	>B			
CALLISTO+	3 OZ/A		EPOST	A	16	7.7	6.7
ATRAZINE	1 PT/A		EPOST	A			
COC+	1.6 PT/A		EPOST	A			
UAN	4 PT/A		EPOST	A			
CALLISTO+	3 OZ/A		LPOST	>B	13	6.8	5.9
ATRAZINE	1 PT/A		LPOST	>B			
COC+	1.6 PT/A		LPOST	>B			
UAN	4 PT/A		LPOST	>B			
CALLISTO+	1.5 OZ/A		EPOST	A	15	7.6	6.7
COC+	1.6 PT/A		EPOST	A			
UAN	4 PT/A		EPOST	A			

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #1)

Trial ID: SCCALSTGR1W2003 Study Dir.: Dr. Douglas
J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

ZEAMS	ZEAMS	ZEAMS
# EARS	WT.	WT.
TOTAL MKTB.	TOTAL MKTB.	TOTAL MKTB.
PER PLOT	LBS/PLOT	TONS/A.
8/14/2003	8/14/2003	8/14/2003

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	79	80	81
CALLISTO+	1.5 OZ/A		LPOST	B	12	6.1	5.3
COC+	1.6 PT/A		LPOST	B			
UAN	4 PT/A		LPOST	B			
CALLISTO+	1.5 OZ/A		EPOST	A	12	6.3	5.5
ATRAZINE	1 PT/A		EPOST	A			
COC+	1.6 PT/A		EPOST	A			
UAN	4 PT/A		EPOST	A			
CALLISTO+	1.5 OZ/A		LPOST	B	16	7.9	6.8
ATRAZINE	1 PT/A		LPOST	B			
COC+	1.6 PT/A		LPOST	B			
UAN	4 PT/A		LPOST	B			

LSD (P=.05)	3.7	1.98	1.72
Standard Deviation	2.5	1.36	1.19
CV	18.06	18.59	18.59

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City:	Wooster	Trial Status:	Final
State/Prov.:	Ohio	Trial Reliability:	Reliable
Postal Code:	44691	Initiation Date:	07/01/03
Country:	USA	Planned Completion Date:	12/30/03

Objective: Effect of crop & weed stage of growth on performance & crop safety of Callisto and Callisto + atrazine tank mixes.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	CHEAL	common lambsquarter	<i>Chenopodium album L.</i>
2	AGRASS	annual grasses (various)	<i>Setaria spp. and Digitaria spp.</i>
3	AMBEL	common ragweed	<i>Ambrosia artemisiifolia L.</i>
4	TRZAW	winter wheat (volunteer)	<i>Triticum aestivum</i>
5	OXAST	yellow woodsorrel	<i>Oxalis stricta L.</i>

Crop 1: ZEAMS SWEET CORN Variety: ROGERS GH0937F1 ATTRIBUTE

Planting Date: 07/01/03 Planting Method: CONVENTIONAL

Rate: 3 SEEDS/FT. Depth: 1.5 "

Row Spacing: 30 " Seed Bed: CONVENTIONAL

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: LEVEL FIELD

Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 16	% OM: 3	Texture: SILT LOAM
% Silt: 72	pH: 6.8	Soil Name: WOOSTER SILT LOAM
% Clay: 12	CEC: 14	Fert. Level: MODERATE

APPLICATION DESCRIPTION

	A	B
Application Date:	7/25/2003	8/6/2003
Time of Day:	1-2 PM	2-3 PM
Application Method:	SPRAY	SPRAY
Application Timing:	EPOST	LPOST
Applic. Placement:	BDCST	BDCST
Air Temp., Unit:	80 F	80 F
% Relative Humidity:	79	89
Wind Velocity, Unit:	3 MPH	2 MPH
Dew Presence (Y/N):	N	N
% Cloud Cover:	40	50

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMS EPOST	ZEAMS LPOST
Stage Scale:	VEGETAT.	VEGETAT.
Height, Unit:	4 IN.	10 IN.

	A	B
Weed 1 Code, Stage:	CHEAL EPOST	CHEAL LPOST
Stage Scale:	TO 2"	4-6"
Density, Unit:	MEDIUM	MEDIUM
Weed 2 Code, Stage:	AGRAS EPOST	AGRAS LPOST
Stage Scale:	1-2"	4-6"
Density, Unit:	MEDIUM	MEDIUM
Weed 3 Code, Stage:	AMBEL EPOST	AMBEL LPOST
Stage Scale:	1-2"	4-6"
Density, Unit:	MEDIUM	MEDIUM
Weed 4 Code, Stage:	TRZAW EPOST	TRZAW LPOST
Stage Scale:	1-2"	4-6"
Density, Unit:	MEDIUM	MEDIUM
Weed 5 Code, Stage:	OXAST EPOST	OXAST LPOST
Stage Scale:	0-1"	1-3'
Density, Unit:	MEDIUM	MEDIUM

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 PLOT	CO2 PLOT
Operating Pressure:	35	35
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8002VS	8002VS
Nozzle Spacing, Unit:	12 "	12
Nozzles/Row:	10	10
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	4 MPH	4 MPH
Carrier:	WATER	WATER

Trial Comments

"Visual ratings are from 0-100; 0=no crop injury/ no control, and 100 = death of the crop/complete weed control. Crop injury ratings include percent chlorosis, stunting, and aggregate injury. Yield data and stand counts were taken from a 10' length of row in the plot center. Crop heights were taken from 3 plants, measured from the soil line to collar of the most recent fully expanded leaf. Yield was determined by counting and weighing husked ears. Ear weights were graded according to the following criteria:

"

- a) Syngenta Fancy, (6.5" long & <1.0 cm. of blank tip)
- b) U.S.Fancy, (6.0" long ; blank tip not an issue)

Total marketable (MKTB.) weight is the sum of SYNGENTA FANCY and U.S FANCY weights, given in tons per acre.

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code								
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit					%	%	%	%
Rating Date					8/1/03	8/1/03	8/1/03	8/13/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	0	0
CALLISTO+	3 OZ/A		EPOS 2"W	A	10	6	9	0
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	3 OZ/A		LPOS>5"W	B	0	0	0	5
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	3 OZ/A		EPOS 2"W	A	23	13	21	0
ATRAZINE	1 PT/A		EPOS 2"W	A				
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	3 OZ/A		LPOS>5"W	B	0	0	0	5
ATRAZINE	1 PT/A		LPOS>5"W	B				
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	0	0	0	0
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					ZEAMS	ZEAMS	ZEAMS	ZEAMS
					PLANT	PLANT	PLANT	PLANT
					CHLOROSIS	STUNT	INJURY	CHLOROSIS
					%	%	%	%
					8/1/03	8/1/03	8/1/03	8/13/03
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	1	2	3	4
CALLISTO+	1.5 OZ/A		LPOS>5"W	B	0	0	0	0
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	3	0	3	0
ATRAZINE	1 PT/A		EPOS 2"W	A				
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	1.5 OZ/A		LPOS>5"	B	0	0	0	0
ATRAZINE	1 PT/A		LPOS>5"	B				
COC+	1.6 PT/A		LPOS>5"	B				
UAN	4 PT/A		LPOS>5"	B				

LSD (P=.05)	4.5	1.7	4.2	0
Standard Deviation	3.1	1.2	2.9	0
CV	89.51	62.33	89.8	0

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					ZEAMS		AGRASS	AMBEL
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	WEED	WEED
Rating Data Type					STUNT	INJURY	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/13/03	8/13/03	8/13/03	8/13/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	5	6	7	8
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	99	99
CALLISTO+	3 OZ/A		EPOS 2"W	A	0	0	99	99
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	3 OZ/A		LPOS>5"W	B	5	5	99	99
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	3 OZ/A		EPOS 2"W	A	0	0	99	99
ATRAZINE	1 PT/A		EPOS 2"W	A				
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	3 OZ/A		LPOS>5"W	B	5	5	99	99
ATRAZINE	1 PT/A		LPOS>5"W	B				
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	0	0	89	99
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					ZEAMS		AGRASS	AMBEL
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	WEED	WEED
Rating Data Type					STUNT	INJURY	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					8/13/03	8/13/03	8/13/03	8/13/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	5	6	7	8
CALLISTO+	1.5 OZ/A		LPOS>5"W	B	0	0	99	99
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	0	0	99	99
ATRAZINE	1 PT/A		EPOS 2"W	A				
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	1.5 OZ/A		LPOS>5"	B	0	0	99	99
ATRAZINE	1 PT/A		LPOS>5"	B				
COC+	1.6 PT/A		LPOS>5"	B				
UAN	4 PT/A		LPOS>5"	B				
LSD (P=.05)					0	0	1.1	0
Standard Deviation					0	0	0.8	0
CV					0	0	0.9	0

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code	CHEAL		TRZAW		ZEAMS		ZEAMS
Crop Code	ZEAMS		ZEAMS		WEED		PLANT
Part Rated	WEED		CONTROL		CONTROL		CHLOROSIS
Rating Data Type	CONTROL		CONTROL		CONTROL		CHLOROSIS
Rating Unit	%		%		%		CHLOROSIS
Rating Date	8/13/03		8/13/03		8/13/03		8/27/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	9	10	11
UNTREATED CONTROL					0	0	0
WEED FREE CONTROL					99	99	0
CALLISTO+	3 OZ/A		EPOS 2"W	A	99	99	0
COC+	1.6 PT/A		EPOS 2"W	A			
UAN	4 PT/A		EPOS 2"W	A			
CALLISTO+	3 OZ/A		LPOS>5"W	B	99	99	6
COC+	1.6 PT/A		LPOS>5"W	B			
UAN	4 PT/A		LPOS>5"W	B			
CALLISTO+	3 OZ/A		EPOS 2"W	A	99	99	0
ATRAZINE	1 PT/A		EPOS 2"W	A			
COC+	1.6 PT/A		EPOS 2"W	A			
UAN	4 PT/A		EPOS 2"W	A			
CALLISTO+	3 OZ/A		LPOS>5"W	B	99	99	5
ATRAZINE	1 PT/A		LPOS>5"W	B			
COC+	1.6 PT/A		LPOS>5"W	B			
UAN	4 PT/A		LPOS>5"W	B			
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	99	99	0
COC+	1.6 PT/A		EPOS 2"W	A			
UAN	4 PT/A		EPOS 2"W	A			

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code	CHEAL		TRZAW		ZEAMS		ZEAMS
Crop Code	ZEAMS		ZEAMS		WEED		PLANT
Part Rated	WEED		WEED		CONTROL		CHLOROSIS
Rating Data Type	CONTROL		CONTROL		CONTROL		CHLOROSIS
Rating Unit	%		%		%		CHLOROSIS
Rating Date	8/13/03		8/13/03		8/13/03		8/27/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	9	10	11
CALLISTO+	1.5 OZ/A		LPOS>5"W	B	99	99	0
COC+	1.6 PT/A		LPOS>5"W	B			
UAN	4 PT/A		LPOS>5"W	B			
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	99	99	0
ATRAZINE	1 PT/A		EPOS 2"W	A			
COC+	1.6 PT/A		EPOS 2"W	A			
UAN	4 PT/A		EPOS 2"W	A			
CALLISTO+	1.5 OZ/A		LPOS>5"	B	99	83	0
ATRAZINE	1 PT/A		LPOS>5"	B			
COC+	1.6 PT/A		LPOS>5"	B			
UAN	4 PT/A		LPOS>5"	B			
LSD (P=.05)					0	1.3	1.1
Standard Deviation					0	0.9	0.8
CV					0	1.04	70.27

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					ZEAMS	ZEAMS	AGRASS	AMBEL
Crop Code					PLANT	PLANT	ZEAMS	ZEAMS
Part Rated					STUNT	INJURY	WEED	PLANT
Rating Data Type					%	%	CONTROL	INJURY
Rating Unit					8/27/03	8/27/03	8/27/03	8/27/03
Rating Date								
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	12	13	14	15
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	99	99
CALLISTO+	3 OZ/A		EPOS 2"W	A	0	0	99	99
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	3 OZ/A		LPOS>5"W	B	3	5	99	99
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	3 OZ/A		EPOS 2"W	A	0	0	99	99
ATRAZINE	1 PT/A		EPOS 2"W	A				
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	3 OZ/A		LPOS>5"W	B	5	8	99	99
ATRAZINE	1 PT/A		LPOS>5"W	B				
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	0	0	89	99
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					ZEAMS	ZEAMS	AGRASS	AMBEL
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	WEED	PLANT
Rating Data Type					STUNT	INJURY	CONTROL	INJURY
Rating Unit					%	%	%	%
Rating Date					8/27/03	8/27/03	8/27/03	8/27/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	12	13	14	15
CALLISTO+	1.5 OZ/A		LPOS>5"W	B	0	0	99	99
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	0	0	99	99
ATRAZINE	1 PT/A		EPOS 2"W	A				
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	1.5 OZ/A		LPOS>5"	B	0	0	99	99
ATRAZINE	1 PT/A		LPOS>5"	B				
COC+	1.6 PT/A		LPOS>5"	B				
UAN	4 PT/A		LPOS>5"	B				
LSD (P=.05)					2.2	1.3	1.1	0
Standard Deviation					1.5	0.9	0.8	0
CV					202.86	73.03	0.9	0

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code	CHEAL	OXAST	TRZAW
Crop Code	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%
Rating Date	8/27/03	8/27/03	8/27/03

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	16	17	18
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UNTREATED CONTROL					0	0	0
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WEED FREE CONTROL					99	99	99
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CALLISTO+	3 OZ/A	EPOS 2"W	A		99	99	99
COC+	1.6 PT/A	EPOS 2"W	A				
UAN	4 PT/A	EPOS 2"W	A				

CALLISTO+	3 OZ/A	LPOS>5"W	B		99	99	99
COC+	1.6 PT/A	LPOS>5"W	B				
UAN	4 PT/A	LPOS>5"W	B				

CALLISTO+	3 OZ/A	EPOS 2"W	A		99	99	99
ATRAZINE	1 PT/A	EPOS 2"W	A				
COC+	1.6 PT/A	EPOS 2"W	A				
UAN	4 PT/A	EPOS 2"W	A				

CALLISTO+	3 OZ/A	LPOS>5"W	B		99	99	99
ATRAZINE	1 PT/A	LPOS>5"W	B				
COC+	1.6 PT/A	LPOS>5"W	B				
UAN	4 PT/A	LPOS>5"W	B				

CALLISTO+	1.5 OZ/A	EPOS 2"W	A		99	99	99
COC+	1.6 PT/A	EPOS 2"W	A				
UAN	4 PT/A	EPOS 2"W	A				

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code	CHEAL	OXAST	TRZAW
Crop Code	ZEAMS	ZEAMS	ZEAMS
Part Rated	WEED	WEED	WEED
Rating Data Type	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%
Rating Date	8/27/03	8/27/03	8/27/03

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	16	17	18
CALLISTO+	1.5 OZ/A		LPOS>5"W	B	99	99	99
COC+	1.6 PT/A		LPOS>5"W	B			
UAN	4 PT/A		LPOS>5"W	B			
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	99	99	99
ATRAZINE	1 PT/A		EPOS 2"W	A			
COC+	1.6 PT/A		EPOS 2"W	A			
UAN	4 PT/A		EPOS 2"W	A			
CALLISTO+	1.5 OZ/A		LPOS>5"	B	99	83	83
ATRAZINE	1 PT/A		LPOS>5"	B			
COC+	1.6 PT/A		LPOS>5"	B			
UAN	4 PT/A		LPOS>5"	B			

LSD (P=.05)	0	1.3	1.3
Standard Deviation	0	0.9	0.9
CV	0	1.04	1.04

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AGRASS			
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	PLANT	WEED
Rating Data Type					CHLOROSIS	STUNT	INJURY	CONTROL
Rating Unit					%	%	%	%
Rating Date					9/18/03	9/18/03	9/18/03	9/18/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	19	20	21	22
UNTREATED CONTROL					0	0	0	0
WEED FREE CONTROL					0	0	0	99
CALLISTO+	3 OZ/A		EPOS 2"W	A	0	0	0	99
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	3 OZ/A		LPOS>5"W	B	13	8	11	99
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	3 OZ/A		EPOS 2"W	A	0	0	0	99
ATRAZINE	1 PT/A		EPOS 2"W	A				
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	3 OZ/A		LPOS>5"W	B	11	10	13	99
ATRAZINE	1 PT/A		LPOS>5"W	B				
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	0	0	0	89
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AGRASS			
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	PLANT	PLANT	WEED
Rating Data Type					CHLOROSIS	STUNT	INJURY	CONTROL
Rating Unit					%	%	%	%
Rating Date					9/18/03	9/18/03	9/18/03	9/18/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	19	20	21	22
CALLISTO+	1.5 OZ/A		LPOS>5"W	B	0	0	0	99
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	0	0	0	99
ATRAZINE	1 PT/A		EPOS 2"W	A				
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	1.5 OZ/A		LPOS>5"	B	0	0	0	99
ATRAZINE	1 PT/A		LPOS>5"	B				
COC+	1.6 PT/A		LPOS>5"	B				
UAN	4 PT/A		LPOS>5"	B				
LSD (P=.05)					1.8	2.2	1.8	1.1
Standard Deviation					1.2	1.5	1.2	0.8
CV					52.44	86.94	52.44	0.9

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AMBEL	CHEAL	OXAST	TRZAW
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	WEED	WEED	WEED
Rating Data Type					INJURY	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					9/18/03	9/18/03	9/18/03	9/18/03

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	23	24	25	26
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UNTREATED CONTROL					0	0	0	0
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WEED FREE CONTROL					99	99	99	99
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CALLISTO+	3 OZ/A	EPOS 2"W	A	99	99	99	99
COC+	1.6 PT/A	EPOS 2"W	A				
UAN	4 PT/A	EPOS 2"W	A				

CALLISTO+	3 OZ/A	LPOS>5"W	B	99	99	99	99
COC+	1.6 PT/A	LPOS>5"W	B				
UAN	4 PT/A	LPOS>5"W	B				

CALLISTO+	3 OZ/A	EPOS 2"W	A	99	99	99	99
ATRAZINE	1 PT/A	EPOS 2"W	A				
COC+	1.6 PT/A	EPOS 2"W	A				
UAN	4 PT/A	EPOS 2"W	A				

CALLISTO+	3 OZ/A	LPOS>5"W	B	99	99	99	99
ATRAZINE	1 PT/A	LPOS>5"W	B				
COC+	1.6 PT/A	LPOS>5"W	B				
UAN	4 PT/A	LPOS>5"W	B				

CALLISTO+	1.5 OZ/A	EPOS 2"W	A	99	99	99	99
COC+	1.6 PT/A	EPOS 2"W	A				
UAN	4 PT/A	EPOS 2"W	A				

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					AMBEL	CHEAL	OXAST	TRZAW
Crop Code					ZEAMS	ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANT	WEED	WEED	WEED
Rating Data Type					INJURY	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Rating Date					9/18/03	9/18/03	9/18/03	9/18/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	23	24	25	26
CALLISTO+	1.5 OZ/A		LPOS>5"W	B	99	99	99	99
COC+	1.6 PT/A		LPOS>5"W	B				
UAN	4 PT/A		LPOS>5"W	B				
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	99	99	99	99
ATRAZINE	1 PT/A		EPOS 2"W	A				
COC+	1.6 PT/A		EPOS 2"W	A				
UAN	4 PT/A		EPOS 2"W	A				
CALLISTO+	1.5 OZ/A		LPOS>5"	B	99	99	83	83
ATRAZINE	1 PT/A		LPOS>5"	B				
COC+	1.6 PT/A		LPOS>5"	B				
UAN	4 PT/A		LPOS>5"	B				
LSD (P=.05)					0	0	1.3	1.3
Standard Deviation					0	0	0.9	0.9
CV					0	0	1.04	1.04

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					ZEAMS		
Crop Code					PLANTS	# EARS	WT.
Part Rated					STAND CT.	SYNG.FANCY	SYNG.FANCY
Rating Data Type					PER 10'	PER PLOT	LBS/PLOT
Rating Unit					9/30/03	9/30/03	9/30/03
Rating Date					9/30/03	9/30/03	9/30/03
Treatment	Product	Product	Grow	Appl	27	28	29
Name	Rate	Rate Unit	Stg	Code			
UNTREATED CONTROL					11	8	4.4
WEED FREE CONTROL					11	8	4.7
CALLISTO+	3 OZ/A	EPOS 2"W	A		8	7	4.3
COC+	1.6 PT/A	EPOS 2"W	A				
UAN	4 PT/A	EPOS 2"W	A				
CALLISTO+	3 OZ/A	LPOS>5"W	B		10	7	4
COC+	1.6 PT/A	LPOS>5"W	B				
UAN	4 PT/A	LPOS>5"W	B				
CALLISTO+	3 OZ/A	EPOS 2"W	A		10	7	4.2
ATRAZINE	1 PT/A	EPOS 2"W	A				
COC+	1.6 PT/A	EPOS 2"W	A				
UAN	4 PT/A	EPOS 2"W	A				
CALLISTO+	3 OZ/A	LPOS>5"W	B		12	7	3.8
ATRAZINE	1 PT/A	LPOS>5"W	B				
COC+	1.6 PT/A	LPOS>5"W	B				
UAN	4 PT/A	LPOS>5"W	B				
CALLISTO+	1.5 OZ/A	EPOS 2"W	A		11	7	4.2
COC+	1.6 PT/A	EPOS 2"W	A				
UAN	4 PT/A	EPOS 2"W	A				

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code							
Crop Code					ZEAMS	ZEAMS	ZEAMS
Part Rated					PLANTS	# EARS	WT.
Rating Data Type					STAND CT.	SYNG.FANCY	SYNG.FANCY
Rating Unit					PER 10'	PER PLOT	LBS/PLOT
Rating Date					9/30/03	9/30/03	9/30/03
Treatment	Product	Product	Grow	Appl			
Name	Rate	Rate Unit	Stg	Code	27	28	29
CALLISTO+	1.5 OZ/A		LPOS>5"W	B	10	5	2.8
COC+	1.6 PT/A		LPOS>5"W	B			
UAN	4 PT/A		LPOS>5"W	B			
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	10	8	4.9
ATRAZINE	1 PT/A		EPOS 2"W	A			
COC+	1.6 PT/A		EPOS 2"W	A			
UAN	4 PT/A		EPOS 2"W	A			
CALLISTO+	1.5 OZ/A		LPOS>5"	B	10	6	3.7
ATRAZINE	1 PT/A		LPOS>5"	B			
COC+	1.6 PT/A		LPOS>5"	B			
UAN	4 PT/A		LPOS>5"	B			
LSD (P=.05)					2.1	2.8	1.7
Standard Deviation					1.4	2	1.17
CV					13.94	28.78	28.64

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code					ZEAMS	ZEAMS	ZEAMS
Crop Code					# EARS	WT.	# EARS
Part Rated					US FANCY	US FANCY	TOTAL MKTB.
Rating Data Type					PER PLOT	LBS/PLOT	PER PLOT
Rating Unit					9/30/03	9/30/03	9/30/03
Rating Date					9/30/03	9/30/03	9/30/03
Treatment	Product	Product	Grow	Appl	30	31	32
Name	Rate	Rate Unit	Stg	Code			
UNTREATED CONTROL					5	2.4	12
WEED FREE CONTROL					5	1.9	13
CALLISTO+	3 OZ/A	EPOS 2"W	A		3	1.4	10
COC+	1.6 PT/A	EPOS 2"W	A				
UAN	4 PT/A	EPOS 2"W	A				
CALLISTO+	3 OZ/A	LPOS>5"W	B		5	2.5	12
COC+	1.6 PT/A	LPOS>5"W	B				
UAN	4 PT/A	LPOS>5"W	B				
CALLISTO+	3 OZ/A	EPOS 2"W	A		5	2.3	12
ATRAZINE	1 PT/A	EPOS 2"W	A				
COC+	1.6 PT/A	EPOS 2"W	A				
UAN	4 PT/A	EPOS 2"W	A				
CALLISTO+	3 OZ/A	LPOS>5"W	B		4	1.7	11
ATRAZINE	1 PT/A	LPOS>5"W	B				
COC+	1.6 PT/A	LPOS>5"W	B				
UAN	4 PT/A	LPOS>5"W	B				
CALLISTO+	1.5 OZ/A	EPOS 2"W	A		4	1.7	11
COC+	1.6 PT/A	EPOS 2"W	A				
UAN	4 PT/A	EPOS 2"W	A				

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code							
Crop Code					ZEAMS	ZEAMS	ZEAMS
Part Rated					# EARS	WT.	# EARS
Rating Data Type					US FANCY	US FANCY	TOTAL MKTB.
Rating Unit					PER PLOT	LBS/PLOT	PER PLOT
Rating Date					9/30/03	9/30/03	9/30/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	30	31	32
CALLISTO+	1.5 OZ/A		LPOS>5"W	B	6	2.5	11
COC+	1.6 PT/A		LPOS>5"W	B			
UAN	4 PT/A		LPOS>5"W	B			
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	5	2.3	13
ATRAZINE	1 PT/A		EPOS 2"W	A			
COC+	1.6 PT/A		EPOS 2"W	A			
UAN	4 PT/A		EPOS 2"W	A			
CALLISTO+	1.5 OZ/A		LPOS>5"	B	5	2.3	11
ATRAZINE	1 PT/A		LPOS>5"	B			
COC+	1.6 PT/A		LPOS>5"	B			
UAN	4 PT/A		LPOS>5"	B			
LSD (P=.05)					2.4	1.08	3.9
Standard Deviation					1.6	0.75	2.7
CV					35.82	35.49	23.41

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SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code						
Crop Code					ZEAMS	ZEAMS
Part Rated					WT.	WT.
Rating Data Type					TOTAL MKTB.	TOTAL MKTB.
Rating Unit					LBS/PLOT	TONS/A.
Rating Date					9/30/03	9/30/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	33	34
UNTREATED CONTROL					6.8	5.9
WEED FREE CONTROL					6.6	5.8
CALLISTO+	3 OZ/A		EPOS 2"W	A	5.6	4.9
COC+	1.6 PT/A		EPOS 2"W	A		
UAN	4 PT/A		EPOS 2"W	A		
CALLISTO+	3 OZ/A		LPOS>5"W	B	6.5	5.6
COC+	1.6 PT/A		LPOS>5"W	B		
UAN	4 PT/A		LPOS>5"W	B		
CALLISTO+	3 OZ/A		EPOS 2"W	A	6.5	5.6
ATRAZINE	1 PT/A		EPOS 2"W	A		
COC+	1.6 PT/A		EPOS 2"W	A		
UAN	4 PT/A		EPOS 2"W	A		
CALLISTO+	3 OZ/A		LPOS>5"W	B	5.4	4.7
ATRAZINE	1 PT/A		LPOS>5"W	B		
COC+	1.6 PT/A		LPOS>5"W	B		
UAN	4 PT/A		LPOS>5"W	B		
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	5.9	5.1
COC+	1.6 PT/A		EPOS 2"W	A		
UAN	4 PT/A		EPOS 2"W	A		

The Ohio State University

SWEET CORN- CALLISTO STAGE OF GROWTH STUDY (SITE #2)

Trial ID: SCCALSTGR2W2003 Study Dir.: Dr. Douglas J. Doohan & T. Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

Weed Code						
Crop Code					ZEAMS	ZEAMS
Part Rated					WT.	WT.
Rating Data Type					TOTAL MKTB.	TOTAL MKTB.
Rating Unit					LBS/PLOT	TONS/A.
Rating Date					9/30/03	9/30/03
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	33	34
CALLISTO+	1.5 OZ/A		LPOS>5"W	B	5.4	4.7
COC+	1.6 PT/A		LPOS>5"W	B		
UAN	4 PT/A		LPOS>5"W	B		
CALLISTO+	1.5 OZ/A		EPOS 2"W	A	7.3	6.3
ATRAZINE	1 PT/A		EPOS 2"W	A		
COC+	1.6 PT/A		EPOS 2"W	A		
UAN	4 PT/A		EPOS 2"W	A		
CALLISTO+	1.5 OZ/A		LPOS>5"	B	5.9	5.1
ATRAZINE	1 PT/A		LPOS>5"	B		
COC+	1.6 PT/A		LPOS>5"	B		
UAN	4 PT/A		LPOS>5"	B		
LSD (P=.05)					2.14	1.87
Standard Deviation					1.48	1.29
CV					23.88	23.88

The Ohio State University

TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City: Fremont	Trial Status: Final
State/Prov.: Ohio	Trial Reliability: Reliable
Postal Code: 43420	Initiation Date: 06/04/03
Country: USA	Planned Completion Date: 12/30/03

Objective: To evaluate herbicides for control of Eastern black nightshade and other weeds in processing tomatoes.

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1	CHEAL	common lambsquarter	<i>Chenopodium album L.</i>
2	SOLPT	Eastern black nightshade	<i>Solanum ptycanthum Dun.</i>
3	POROL	common purslane	<i>Portulaca oleracea L.</i>
4	ABUTH	velvetleaf	<i>Abutilon theophrasti medicus</i>
5	AMAXX	pigweed species	<i>Amaranth spp.</i>
6	AGRASS	annual grasses	<i>spp.</i>
7	POLAV	prostrate knotweed	<i>Polygonum aviculare L.</i>

Crop 1: LYPES PROCESSING TOMATO Variety: PETO 696

Planting Date: 06/04/03 Planting Method: CONVENTIONAL

Rate: 12 INCHES Depth: 2 "

Row Spacing: 5 FEET Seed Bed: CONVENTIONAL

SITE AND DESIGN

Plot Width, Unit: 15 FT Plot Length, Unit: 25 FT Reps: 4

Site Type: LEVEL FIELD

Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 20 % OM: 4.4 Texture: SILTY CLAY LOAM

% Silt: 41 pH: 6.6 Soil Name: HOYTVILLE

% Clay: 39 CEC: 27 Fert. Level: MODERATE

APPLICATION DESCRIPTION

	A	B
Application Date:	6/4/2003	6/17/2003
Time of Day:	10-11AM	1-2PM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	POST
Applic. Placement:	BROADCAST	BROADCAST
Air Temp., Unit:	59 F	21.6 C
% Relative Humidity:	85	79
Wind Velocity, Unit:	0 MPH	3 MPH
Soil Moisture:	MOIST	MOIST
% Cloud Cover:	50	30

The Ohio State University

TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	LYPES PRE	LYPES POST
Stage Scale:	.	VEGETAT.
Height, Unit:	0. .	14 INCH

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	CHEAL PRE	CHEAL POST
Stage Scale:	.	0-1"
Density, Unit:	. .	HIGH .
Weed 2 Code, Stage:	SOLPT PRE	SOLPT POST
Stage Scale:	.	0-1"
Density, Unit:	. .	MEDIUM
Weed 3 Code, Stage:	POROL PRE	POROL POST
Stage Scale:	.	0-1"
Density, Unit:	. .	MEDIUM
Weed 4 Code, Stage:	ABUTH PRE	ABUTH POST
Stage Scale:	.	0-1"
Density, Unit:	. .	LOW .
Weed 5 Code, Stage:	AMAXX PRE	AMAXX POST
Stage Scale:	.	0-1"
Density, Unit:	. .	MEDIUM
Weed 6 Code, Stage:	AGRAS PRE	AGRAS POST
Stage Scale:	.	0-1"
Density, Unit:	. .	HIGH .
Weed 7 Code, Stage:	POLAV PRE	POLAV POST
Stage Scale:	.	0-1"
Density, Unit:	. .	MEDIUM

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	TRACTOR	TRACTOR
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8002VS	8002VS
Nozzle Spacing, Unit:	12 IN	12 IN
Nozzles/Row:	15	15
Band Width, Unit:	15 FT	15 FT
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Spray Volume, Unit:	25 GPA	25 GPA

Trial Comments

Visual ratings are from 0-100; 0=no crop injury/ no control, and 100 = death of the crop/complete weed control. Yields were taken on a per plot basis, (1 row x 25'), in pounds. Total weights of red marketable and green fruit are in tons/acre.

The Ohio State University

TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					AGRASS	SOLPT
Crop Code					LYPES	LYPES
Part Rated					PLANT	WEED
Rating Data Type					INJURY	CONTROL
Rating Unit					%	%
Rating Date					6/11/2003	6/11/2003
Treatment	Prod.	Prod.	Grow	Appl		
Name	Rate	Unit	Stg	Code	1	2
WEEDY CONTROL					0	0
WEED- FREE CONTROL					0	99
DUAL MAGNUM+	1.33	PT/A	PRETRANS	A	0	88
SANDEA	0.5	OZ/A	PRETRANS	A		99
DUAL MAGNUM+	1.33	PT/A	PRETRANS	A	0	90
SANDEA	1	OZ/A	PRETRANS	A		99
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	0	94
SANDEA+	0.5	OZ/A	POST>14DAY	TP		99
NIS	0.5	PT/A	POST>14DAY	TP		
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	0	90
SANDEA+	0.66	OZ/A	POST>14DAY	TP		99
NIS	0.5	PT/A	POST>14DAY	TP		
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	0	90
SANDEA+	1	OZ/A	POST>14DAY	TP		99
NIS	0.5	PT/A	POST>14DAY	TP		
DUAL MAGNUM+	1.33	PT/A	POST>14DAY	TP	0	0
SENCOR	0.5	OZ/A	POST>14DAY	TP		0
DUAL MAGNUM;	1.33	PT/A	PREPLANT INCORP.	A	0	90
SENCOR+	2	OZ/A	POST<1"WEEDS	B		99
MATRIX+	1	OZ/A	POST<1"WEEDS	B		
NIS	0.4	PT/A	POST<1"WEEDS	B		
DUAL MAGNUM;	1.33	PT/A	PREPLANT INCORP.	A	0	94
SENCOR+	2	OZ/A	POST<1"WEEDS	B		99
MATRIX+	2	OZ/A	POST<1"WEEDS	B		
NIS	0.4	PT/A	POST<1"WEEDS	B		
LSD (P=.05)					0	6.2
Standard Deviation					0	4.3
CV					0	5.84

The Ohio State University

TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					TAROF	CHEAL	POLAV
Crop Code					LYPES	LYPES	LYPES
Part Rated					WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					6/11/2003	6/11/2003	6/11/2003
Treatment Name	Prod. Rate	Prod. Unit	Grow Stg	Appl Code	4	5	6
WEEDY CONTROL					0	0	0
WEED- FREE CONTROL					99	99	99
DUAL MAGNUM+ SANDEA	1.33 0.5	PT/A OZ/A	PRETRANS PRETRANS	A A	99	99	99
DUAL MAGNUM+ SANDEA	1.33 1	PT/A OZ/A	PRETRANS PRETRANS	A A	99	99	99
DUAL MAGNUM SANDEA+ NIS	1.33 0.5 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	96	98	91
DUAL MAGNUM SANDEA+ NIS	1.33 0.66 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	99	96	89
DUAL MAGNUM SANDEA+ NIS	1.33 1 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	97	96	90
DUAL MAGNUM+ SENCOR	1.33 0.5	PT/A OZ/A	POST>14DAY TP POST>14DAY TP	B B	0	0	0
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 1 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	97	99	92
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 2 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	97	95	95
LSD (P=.05)					4.9	4.1	9.3
Standard Deviation					3.3	2.8	6.4
CV					4.28	3.62	8.49

The Ohio State University

TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					CIRAR	ABUTH	AGRASS
Crop Code					LYPES	LYPES	LYPES
Part Rated					WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					6/11/2003	6/11/2003	6/17/2003
Treatment Name	Prod. Rate	Prod. Unit	Grow Stg	Appl Code	7	8	9
WEEDY CONTROL					0	0	0
WEED- FREE CONTROL					99	99	99
DUAL MAGNUM+ SANDEA	1.33 0.5	PT/A OZ/A	PRETRANS PRETRANS	A A	99	99	88
DUAL MAGNUM+ SANDEA	1.33 1	PT/A OZ/A	PRETRANS PRETRANS	A A	99	99	90
DUAL MAGNUM SANDEA+ NIS	1.33 0.5 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	99	91	94
DUAL MAGNUM SANDEA+ NIS	1.33 0.66 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	99	96	90
DUAL MAGNUM SANDEA+ NIS	1.33 1 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	96	97	90
DUAL MAGNUM+ SENCOR	1.33 0.5	PT/A OZ/A	POST>14DAY TP POST>14DAY TP	B B	0	0	0
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 1 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	99	99	90
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 2 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	99	95	94
LSD (P=.05)					3.2	5	6.2
Standard Deviation					2.2	3.5	4.3
CV					2.81	4.5	5.84

The Ohio State University

TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					CHEAL	ABUTH	TAROF
Crop Code					LYPES	LYPES	LYPES
Part Rated					WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					6/17/2003	6/17/2003	6/17/2003
Treatment	Prod.	Prod.	Grow	Appl			
Name	Rate	Unit	Stg	Code	10	11	12
WEEDY CONTROL					0	0	0
WEED- FREE CONTROL					99	99	99
DUAL MAGNUM+ SANDEA	1.33 0.5	PT/A OZ/A	PRETRANS PRETRANS	A A	99	99	99
DUAL MAGNUM+ SANDEA	1.33 1	PT/A OZ/A	PRETRANS PRETRANS	A A	99	99	99
DUAL MAGNUM SANDEA+ NIS	1.33 0.5 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	98	90	93
DUAL MAGNUM SANDEA+ NIS	1.33 0.66 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	94	94	99
DUAL MAGNUM SANDEA+ NIS	1.33 1 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	71	97	99
DUAL MAGNUM+ SENCOR	1.33 0.5	PT/A OZ/A	POST>14DAY TP POST>14DAY TP	B B	0	0	0
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 1 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	99	99	97
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 2 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	95	95	97
LSD (P=.05)					22.2	4.7	4.3
Standard Deviation					15.3	3.3	3
CV					20.37	4.24	3.81

The Ohio State University

TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					POROL	POLAV	CIRAR
Crop Code					LYPES	LYPES	LYPES
Part Rated					WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					6/17/2003	6/17/2003	6/17/2003
Treatment Name	Prod. Rate	Prod. Unit	Grow Stg	Appl Code	13	14	15
WEEDY CONTROL					0	0	0
WEED- FREE CONTROL					99	74	99
DUAL MAGNUM+ SANDEA	1.33 0.5	PT/A OZ/A	PRETRANS PRETRANS	A A	98	99	99
DUAL MAGNUM+ SANDEA	1.33 1	PT/A OZ/A	PRETRANS PRETRANS	A A	98	99	99
DUAL MAGNUM SANDEA+ NIS	1.33 0.5 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	99	90	97
DUAL MAGNUM SANDEA+ NIS	1.33 0.66 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	98	83	99
DUAL MAGNUM SANDEA+ NIS	1.33 1 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	99	90	92
DUAL MAGNUM+ SENCOR	1.33 0.5	PT/A OZ/A	POST>14DAY TP POST>14DAY TP	B B	0	0	0
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 1 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	99	92	99
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 2 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	97	95	97
LSD (P=.05)					2.2	24	4.1
Standard Deviation					1.5	16.6	2.8
CV					1.95	22.96	3.64

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TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					AGRASS	POROL
Crop Code					LYPES	LYPES
Part Rated					PLANT	WEED
Rating Data Type					INJURY	CONTROL
Rating Unit					%	%
Rating Date					6/26/2003	6/26/2003
Treatment Name	Prod. Rate	Prod. Unit	Grow Stg	Appl Code	16	17
						18
WEEDY CONTROL					0	0
WEED- FREE CONTROL					0	99
DUAL MAGNUM+ SANDEA	1.33 0.5	PT/A OZ/A	PRETRANS PRETRANS	A A	0	90
DUAL MAGNUM+ SANDEA	1.33 1	PT/A OZ/A	PRETRANS PRETRANS	A A	4	90
DUAL MAGNUM SANDEA+ NIS	1.33 0.5 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	6	96
DUAL MAGNUM SANDEA+ NIS	1.33 0.66 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	10	92
DUAL MAGNUM SANDEA+ NIS	1.33 1 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	3	94
DUAL MAGNUM+ SENCOR	1.33 0.5	PT/A OZ/A	POST>14DAY TP POST>14DAY TP	B B	4	20
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 1 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	4	99
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 2 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	4	99
LSD (P=.05)					4.5	6.4
Standard Deviation					3.1	4.4
CV					91.39	5.7

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TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					CHEAL	CIRAR	CIRAR
Crop Code					LYPES	LYPES	LYPES
Part Rated					WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					6/26/2003	6/26/2003	6/26/2003
Treatment	Prod.	Prod.	Grow	Appl			
Name	Rate	Unit	Stg	Code	19	20	21
WEEDY CONTROL					0	0	0
WEED- FREE CONTROL					99	99	99
DUAL MAGNUM+ SANDEA	1.33 0.5	PT/A OZ/A	PRETRANS PRETRANS	A A	94	57	94
DUAL MAGNUM+ SANDEA	1.33 1	PT/A OZ/A	PRETRANS PRETRANS	A A	99	90	97
DUAL MAGNUM SANDEA+ NIS	1.33 0.5 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	97	99	99
DUAL MAGNUM SANDEA+ NIS	1.33 0.66 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	80	99	99
DUAL MAGNUM SANDEA+ NIS	1.33 1 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	87	99	92
DUAL MAGNUM+ SENCOR	1.33 0.5	PT/A OZ/A	POST>14DAY TP POST>14DAY TP	B B	79	29	92
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 1 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	98	99	95
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 2 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	99	92	98
LSD (P=.05)					22.3	26.2	9.6
Standard Deviation					15.4	18.1	6.6
CV					18.47	23.67	7.62

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TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					ABUTH		AGRASS
Crop Code					LYPES	LYPES	LYPES
Part Rated					WEED	PLANT	WEED
Rating Data Type					CONTROL	INJURY	CONTROL
Rating Unit					%	%	%
Rating Date					6/26/2003	7/8/2003	7/8/2003
Treatment	Prod.	Prod.	Grow	Appl			
Name	Rate	Unit	Stg	Code	22	23	24
WEEDY CONTROL					0	0	0
WEED- FREE CONTROL					99	0	99
DUAL MAGNUM+	1.33	PT/A	PRETRANS	A	99	0	85
SANDEA	0.5	OZ/A	PRETRANS	A			
DUAL MAGNUM+	1.33	PT/A	PRETRANS	A	99	0	86
SANDEA	1	OZ/A	PRETRANS	A			
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	91	0	90
SANDEA+	0.5	OZ/A	POST>14DAY TP	B			
NIS	0.5	PT/A	POST>14DAY TP	B			
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	94	0	92
SANDEA+	0.66	OZ/A	POST>14DAY TP	B			
NIS	0.5	PT/A	POST>14DAY TP	B			
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	97	0	92
SANDEA+	1	OZ/A	POST>14DAY TP	B			
NIS	0.5	PT/A	POST>14DAY TP	B			
DUAL MAGNUM+	1.33	PT/A	POST>14DAY TP	B	25	0	29
SENCOR	0.5	OZ/A	POST>14DAY TP	B			
DUAL MAGNUM;	1.33	PT/A	PREPLANT INCORP.	A	99	0	96
SENCOR+	2	OZ/A	POST<1"WEEDS	B			
MATRIX+	1	OZ/A	POST<1"WEEDS	B			
NIS	0.4	PT/A	POST<1"WEEDS	B			
DUAL MAGNUM;	1.33	PT/A	PREPLANT INCORP.	A	95	0	98
SENCOR+	2	OZ/A	POST<1"WEEDS	B			
MATRIX+	2	OZ/A	POST<1"WEEDS	B			
NIS	0.4	PT/A	POST<1"WEEDS	B			
LSD (P=.05)					24	0	16.4
Standard Deviation					16.5	0	11.3
CV					20.73	0	14.77

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TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					POROL	TAROF	CHEAL
Crop Code					LYPES	LYPES	LYPES
Part Rated					WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					7/8/2003	7/8/2003	7/8/2003
Treatment Name	Prod. Rate	Prod. Unit	Grow Stg	Appl Code	25	26	27
WEEDY CONTROL					0	0	0
WEED- FREE CONTROL					99	99	99
DUAL MAGNUM+ SANDEA	1.33 0.5	PT/A OZ/A	PRETRANS PRETRANS	A A	85	97	97
DUAL MAGNUM+ SANDEA	1.33 1	PT/A OZ/A	PRETRANS PRETRANS	A A	89	98	97
DUAL MAGNUM SANDEA+ NIS	1.33 0.5 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	89	99	91
DUAL MAGNUM SANDEA+ NIS	1.33 0.66 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	95	99	96
DUAL MAGNUM SANDEA+ NIS	1.33 1 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	84	93	90
DUAL MAGNUM+ SENCOR	1.33 0.5	PT/A OZ/A	POST>14DAY TP POST>14DAY TP	B B	91	97	91
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 1 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	99	99	98
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 2 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	98	98	98
LSD (P=.05)					8.4	6.2	8.2
Standard Deviation					5.8	4.3	5.6
CV					7.02	4.87	6.57

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TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					POLAV	CIRAR	ABUTH
Crop Code					LYPES	LYPES	LYPES
Part Rated					WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					7/8/2003	7/8/2003	7/8/2003
Treatment Name	Prod. Rate	Prod. Unit	Grow Stg	Appl Code	28	29	30
WEEDY CONTROL					0	0	0
WEED- FREE CONTROL					99	99	99
DUAL MAGNUM+ SANDEA	1.33 0.5	PT/A OZ/A	PRETRANS PRETRANS	A A	94	94	97
DUAL MAGNUM+ SANDEA	1.33 1	PT/A OZ/A	PRETRANS PRETRANS	A A	99	97	99
DUAL MAGNUM SANDEA+ NIS	1.33 0.5 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	99	99	99
DUAL MAGNUM SANDEA+ NIS	1.33 0.66 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	99	99	99
DUAL MAGNUM SANDEA+ NIS	1.33 1 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	94	92	93
DUAL MAGNUM+ SENCOR	1.33 0.5	PT/A OZ/A	POST>14DAY TP POST>14DAY TP	B B	92	92	99
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 1 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	93	95	99
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 2 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	95	98	98
LSD (P=.05)					9.6	9.6	5.8
Standard Deviation					6.6	6.6	4
CV					7.65	7.62	4.52

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TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					AGRASS	SOLPT
Crop Code					LYPES	LYPES
Part Rated					PLANT	WEED
Rating Data Type					INJURY	CONTROL
Rating Unit					%	%
Rating Date					7/16/2003	7/16/2003
Treatment	Prod.	Prod.	Grow	Appl		
Name	Rate	Unit	Stg	Code	31	32
WEEDY CONTROL					0	0
WEED- FREE CONTROL					0	99
DUAL MAGNUM+	1.33	PT/A	PRETRANS	A	0	65
SANDEA	0.5	OZ/A	PRETRANS	A		59
DUAL MAGNUM+	1.33	PT/A	PRETRANS	A	0	58
SANDEA	1	OZ/A	PRETRANS	A		97
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	0	89
SANDEA+	0.5	OZ/A	POST>14DAY	TP		96
NIS	0.5	PT/A	POST>14DAY	TP		
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	0	85
SANDEA+	0.66	OZ/A	POST>14DAY	TP		94
NIS	0.5	PT/A	POST>14DAY	TP		
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	0	85
SANDEA+	1	OZ/A	POST>14DAY	TP		92
NIS	0.5	PT/A	POST>14DAY	TP		
DUAL MAGNUM+	1.33	PT/A	POST>14DAY	TP	0	3
SENCOR	0.5	OZ/A	POST>14DAY	TP		0
DUAL MAGNUM;	1.33	PT/A	PREPLANT INCORP.	A	0	96
SENCOR+	2	OZ/A	POST<1"WEEDS	B		96
MATRIX+	1	OZ/A	POST<1"WEEDS	B		
NIS	0.4	PT/A	POST<1"WEEDS	B		
DUAL MAGNUM;	1.33	PT/A	PREPLANT INCORP.	A	0	98
SENCOR+	2	OZ/A	POST<1"WEEDS	B		94
MATRIX+	2	OZ/A	POST<1"WEEDS	B		
NIS	0.4	PT/A	POST<1"WEEDS	B		
LSD (P=.05)					0	24.8
Standard Deviation					0	17.1
CV					0	25.27

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TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					CHEAL	POLAV	CIRAR
Crop Code					LYPES	LYPES	LYPES
Part Rated					WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					7/16/2003	7/16/2003	7/16/2003
Treatment	Prod.	Prod.	Grow	Appl			
Name	Rate	Unit	Stg	Code	34	35	36
WEEDY CONTROL					0	0	0
WEED- FREE CONTROL					99	99	99
DUAL MAGNUM+ SANDEA	1.33 0.5	PT/A OZ/A	PRETRANS PRETRANS	A A	95	94	94
DUAL MAGNUM+ SANDEA	1.33 1	PT/A OZ/A	PRETRANS PRETRANS	A A	97	99	94
DUAL MAGNUM SANDEA+ NIS	1.33 0.5 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	90	99	99
DUAL MAGNUM SANDEA+ NIS	1.33 0.66 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	88	98	99
DUAL MAGNUM SANDEA+ NIS	1.33 1 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	82	99	92
DUAL MAGNUM+ SENCOR	1.33 0.5	PT/A OZ/A	POST>14DAY TP POST>14DAY TP	B B	85	96	99
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 1 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	99	86	99
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 2 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	99	89	99
LSD (P=.05)					14.6	6.9	8.1
Standard Deviation					10.1	4.7	5.6
CV					12.1	5.5	6.36

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TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code				ABUTH	POROL	AMAXX
Crop Code				LYPES	LYPES	LYPES
Part Rated				WEED	WEED	WEED
Rating Data Type				CONTROL	CONTROL	CONTROL
Rating Unit				%	%	%
Rating Date				7/16/2003	7/16/2003	7/16/2003
Treatment	Prod.	Prod.	Grow	Appl		
Name	Rate	Unit	Stg	Code	37	38
						39
WEEDY CONTROL					0	0
WEED- FREE CONTROL					99	99
DUAL MAGNUM+	1.33 PT/A	PRETRANS	A		80	81
SANDEA	0.5 OZ/A	PRETRANS	A			99
DUAL MAGNUM+	1.33 PT/A	PRETRANS	A		96	90
SANDEA	1 OZ/A	PRETRANS	A			99
DUAL MAGNUM	1.33 PT/A	PRETRANS	A		99	84
SANDEA+	0.5 OZ/A	POST>14DAY TP	B			99
NIS	0.5 PT/A	POST>14DAY TP	B			
DUAL MAGNUM	1.33 PT/A	PRETRANS	A		99	90
SANDEA+	0.66 OZ/A	POST>14DAY TP	B			99
NIS	0.5 PT/A	POST>14DAY TP	B			
DUAL MAGNUM	1.33 PT/A	PRETRANS	A		99	74
SANDEA+	1 OZ/A	POST>14DAY TP	B			99
NIS	0.5 PT/A	POST>14DAY TP	B			
DUAL MAGNUM+	1.33 PT/A	POST>14DAY TP	B		92	87
SENCOR	0.5 OZ/A	POST>14DAY TP	B			74
DUAL MAGNUM;	1.33 PT/A	PREPLANT INCORP.	A		99	99
SENCOR+	2 OZ/A	POST<1"WEEDS	B			99
MATRIX+	1 OZ/A	POST<1"WEEDS	B			
NIS	0.4 PT/A	POST<1"WEEDS	B			
DUAL MAGNUM;	1.33 PT/A	PREPLANT INCORP.	A		99	99
SENCOR+	2 OZ/A	POST<1"WEEDS	B			99
MATRIX+	2 OZ/A	POST<1"WEEDS	B			
NIS	0.4 PT/A	POST<1"WEEDS	B			
LSD (P=.05)					12.9	16.3
Standard Deviation					8.9	11.3
CV					10.32	14.04
						18.07

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TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					AGRASS	SOLPT
Crop Code					LYPES	LYPES
Part Rated					PLANT	WEED
Rating Data Type					INJURY	CONTROL
Rating Unit					%	%
Rating Date					7/31/2003	7/31/2003
Treatment	Prod.	Prod.	Grow	Appl		
Name	Rate	Unit	Stg	Code	40	41
					42	
WEEDY CONTROL					0	0
WEED- FREE CONTROL					0	99
DUAL MAGNUM+	1.33	PT/A	PRETRANS	A	0	65
SANDEA	0.5	OZ/A	PRETRANS	A		59
DUAL MAGNUM+	1.33	PT/A	PRETRANS	A	0	58
SANDEA	1	OZ/A	PRETRANS	A		97
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	0	89
SANDEA+	0.5	OZ/A	POST>14DAY	TP		96
NIS	0.5	PT/A	POST>14DAY	TP		
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	0	85
SANDEA+	0.66	OZ/A	POST>14DAY	TP		94
NIS	0.5	PT/A	POST>14DAY	TP		
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	0	85
SANDEA+	1	OZ/A	POST>14DAY	TP		92
NIS	0.5	PT/A	POST>14DAY	TP		
DUAL MAGNUM+	1.33	PT/A	POST>14DAY	TP	0	3
SENCOR	0.5	OZ/A	POST>14DAY	TP		0
DUAL MAGNUM;	1.33	PT/A	PREPLANT INCORP.	A	3	96
SENCOR+	2	OZ/A	POST<1"WEEDS	B		96
MATRIX+	1	OZ/A	POST<1"WEEDS	B		
NIS	0.4	PT/A	POST<1"WEEDS	B		
DUAL MAGNUM;	1.33	PT/A	PREPLANT INCORP.	A	3	98
SENCOR+	2	OZ/A	POST<1"WEEDS	B		94
MATRIX+	2	OZ/A	POST<1"WEEDS	B		
NIS	0.4	PT/A	POST<1"WEEDS	B		
LSD (P=.05)					3.1	24.8
Standard Deviation					2.1	17.1
CV					421.64	25.27

The Ohio State University

TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					TAROF	CHEAL	POLAV
Crop Code					LYPES	LYPES	LYPES
Part Rated					WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					7/31/2003	7/31/2003	7/31/2003
Treatment	Prod.	Prod.	Grow	Appl			
Name	Rate	Unit	Stg	Code	43	44	45
WEEDY CONTROL					0	0	0
WEED- FREE CONTROL					99	99	99
DUAL MAGNUM+ SANDEA	1.33	PT/A	PRETRANS	A	99	95	74
	0.5	OZ/A	PRETRANS	A			
DUAL MAGNUM+ SANDEA	1.33	PT/A	PRETRANS	A	99	96	98
	1	OZ/A	PRETRANS	A			
DUAL MAGNUM SANDEA+ NIS	1.33	PT/A	PRETRANS	A	99	88	99
	0.5	OZ/A	POST>14DAY TP	B			
	0.5	PT/A	POST>14DAY TP	B			
DUAL MAGNUM SANDEA+ NIS	1.33	PT/A	PRETRANS	A	99	81	95
	0.66	OZ/A	POST>14DAY TP	B			
	0.5	PT/A	POST>14DAY TP	B			
DUAL MAGNUM SANDEA+ NIS	1.33	PT/A	PRETRANS	A	99	77	99
	1	OZ/A	POST>14DAY TP	B			
	0.5	PT/A	POST>14DAY TP	B			
DUAL MAGNUM+ SENCOR	1.33	PT/A	POST>14DAY TP	B	74	86	87
	0.5	OZ/A	POST>14DAY TP	B			
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33	PT/A	PREPLANT INCORP.	A	98	99	89
	2	OZ/A	POST<1"WEEDS	B			
	1	OZ/A	POST<1"WEEDS	B			
	0.4	PT/A	POST<1"WEEDS	B			
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33	PT/A	PREPLANT INCORP.	A	99	99	89
	2	OZ/A	POST<1"WEEDS	B			
	2	OZ/A	POST<1"WEEDS	B			
	0.4	PT/A	POST<1"WEEDS	B			
LSD (P=.05)					22.8	13.2	23.2
Standard Deviation					15.7	9.1	16
CV					18.13	11.13	19.28

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TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code					AMAXX	POROL	CIRAR
Crop Code					LYPES	LYPES	LYPES
Part Rated					WEED	WEED	WEED
Rating Data Type					CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%
Rating Date					7/31/2003	7/31/2003	7/31/2003
Treatment	Prod.	Prod.	Grow	Appl			
Name	Rate	Unit	Stg	Code	46	47	48
WEEDY CONTROL					0	0	0
WEED- FREE CONTROL					99	99	99
DUAL MAGNUM+ SANDEA	1.33 0.5	PT/A OZ/A	PRETRANS PRETRANS	A A	99	78	99
DUAL MAGNUM+ SANDEA	1.33 1	PT/A OZ/A	PRETRANS PRETRANS	A A	99	88	97
DUAL MAGNUM SANDEA+ NIS	1.33 0.5 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	99	74	99
DUAL MAGNUM SANDEA+ NIS	1.33 0.66 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	99	83	99
DUAL MAGNUM SANDEA+ NIS	1.33 1 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	99	68	93
DUAL MAGNUM+ SENCOR	1.33 0.5	PT/A OZ/A	POST>14DAY TP POST>14DAY TP	B B	74	89	74
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 1 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	99	99	99
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 2 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	99	98	99
LSD (P=.05)					22.7	10.9	23.3
Standard Deviation					15.7	7.5	16
CV					18.07	9.67	18.7

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TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code				ABUTH			
Crop Code				LYPES	LYPES	LYPES	
Part Rated				WEED	YIELD	YIELD	
Rating Data Type				CONTROL	MKT.RED WT	MKT.RED WT	
Rating Unit				%	LBS/PLOT	TONS/A.	
Rating Date				7/31/2003	9/19/2003	9/19/2003	
Treatment	Prod.	Prod.	Grow	Appl			
Name	Rate	Unit	Stg	Code	49	50	51
WEEDY CONTROL					0	48.5	8.5
WEED- FREE CONTROL					99	186.1	32.4
DUAL MAGNUM+	1.33	PT/A	PRETRANS	A	50	191.9	33.4
SANDEA	0.5	OZ/A	PRETRANS	A			
DUAL MAGNUM+	1.33	PT/A	PRETRANS	A	93	203.6	35.5
SANDEA	1	OZ/A	PRETRANS	A			
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	99	179.5	31.3
SANDEA+	0.5	OZ/A	POST>14DAY TP	B			
NIS	0.5	PT/A	POST>14DAY TP	B			
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	99	178.8	31.1
SANDEA+	0.66	OZ/A	POST>14DAY TP	B			
NIS	0.5	PT/A	POST>14DAY TP	B			
DUAL MAGNUM	1.33	PT/A	PRETRANS	A	99	175.1	30.5
SANDEA+	1	OZ/A	POST>14DAY TP	B			
NIS	0.5	PT/A	POST>14DAY TP	B			
DUAL MAGNUM+	1.33	PT/A	POST>14DAY TP	B	74	72.8	12.7
SENCOR	0.5	OZ/A	POST>14DAY TP	B			
DUAL MAGNUM;	1.33	PT/A	PREPLANT INCORP.	A	99	160.8	28
SENCOR+	2	OZ/A	POST<1"WEEDS	B			
MATRIX+	1	OZ/A	POST<1"WEEDS	B			
NIS	0.4	PT/A	POST<1"WEEDS	B			
DUAL MAGNUM;	1.33	PT/A	PREPLANT INCORP.	A	99	181.3	31.6
SENCOR+	2	OZ/A	POST<1"WEEDS	B			
MATRIX+	2	OZ/A	POST<1"WEEDS	B			
NIS	0.4	PT/A	POST<1"WEEDS	B			
LSD (P=.05)					33.9	42.48	7.4
Standard Deviation					23.4	29.28	5.1
CV					28.82	18.55	18.55

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TOMATOES - HERBICIDE PROGRAMS FOR PROCESSING TOMATOES

Trial ID: TOMHERPROFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: FREMONT, OHIO Investigator: Dr. Douglas J. Doohan

Weed Code						
Crop Code					LYPES	LYPES
Part Rated					YIELD	YIELD
Rating Data Type					GREEN WT.	GREEN WT.
Rating Unit					LBS/PLOT	TONS/A.
Rating Date					9/19/2003	9/19/2003
Treatment Name	Prod. Rate	Prod. Unit	Grow Stg	Appl Code	52	53
WEEDY CONTROL					4	0.7
WEED- FREE CONTROL					39.9	6.9
DUAL MAGNUM+ SANDEA	1.33 0.5	PT/A OZ/A	PRETRANS PRETRANS	A A	35.1	6.1
DUAL MAGNUM+ SANDEA	1.33 1	PT/A OZ/A	PRETRANS PRETRANS	A A	65.3	11.4
DUAL MAGNUM SANDEA+ NIS	1.33 0.5 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	49.8	8.7
DUAL MAGNUM SANDEA+ NIS	1.33 0.66 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	49.9	8.7
DUAL MAGNUM SANDEA+ NIS	1.33 1 0.5	PT/A OZ/A PT/A	PRETRANS POST>14DAY TP POST>14DAY TP	A B B	46.1	8
DUAL MAGNUM+ SENCOR	1.33 0.5	PT/A OZ/A	POST>14DAY TP POST>14DAY TP	B B	15.5	2.7
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 1 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	33	5.7
DUAL MAGNUM; SENCOR+ MATRIX+ NIS	1.33 2 2 0.4	PT/A OZ/A OZ/A PT/A	PREPLANT INCORP. POST<1"WEEDS POST<1"WEEDS POST<1"WEEDS	A B B B	63.4	11
LSD (P=.05)					28.11	4.9
Standard Deviation					19.38	3.38
CV					48.21	48.21

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SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City: Fremont	Trial Status: Final
State/Prov.: Ohio	Trial Reliability: Reliable
Postal Code: 43420	Initiation Date: 05/27/03
Country: USA	Planned Completion Date: 1/30/04

Objective: To evaluate possible carryover effects of "Callisto" herbicide applied PRE and EARLY POST in 2002, to vegetables planted in 2003.

CROP DESCRIPTION

Crop 1: TRFRE CLOVER Variety: MEDIUM RED
 Planting Date: 06/11/03 Planting Method: HAND-SEEDED
 Rate: 3 LBS./A. Depth: 0.25 IN
 Row Spacing: 3 FEET Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 2: PHSVN SNAP BEAN Variety: BRONCO
 Planting Date: 06/11/03 Planting Method: HAND-SEEDED
 Rate: 80 LBS./A. Depth: 1 IN
 Row Spacing: 3 FEET Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 3: CUMSA CUCUMBER Variety: VLASSETT
 Planting Date: 06/11/03 Planting Method: HAND-SEEDED
 Rate: 2 SEEDS/9" Depth: 1 IN
 Row Spacing: 5 FEET Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 4: CPSAN PEPPER Variety: ARISTOTLE BELL
 Planting Date: 06/20/03 Planting Method: MECHANICAL
 Rate: 12 IN ROW Depth: 2 IN
 Row Spacing: 3 FEET Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 5: LYPES TOMATO Variety: PETO 696
 Planting Date: 06/20/03 Planting Method: MECHANICAL
 Rate: 12 IN ROW Depth: 2 IN
 Row Spacing: 5 FEET Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 6: BRSOL CABBAGE Variety: TRANSAM
 Planting Date: 06/20/03 Planting Method: MECHANICAL
 Rate: 10 IN ROW
 Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 50 FT Reps: 4
 Site Type: LEVEL FIELD
 Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

SOIL DESCRIPTION

% Sand: 20 % OM: 4.4 Texture: SILTY CLAY LOAM
 % Silt: 41 pH: 6.6 Soil Name: HOYTVILLE
 % Clay: 39 CEC: 27 Fert. Level: MODERATE

APPLICATION DESCRIPTION

	A	B
Application Date:	5/28/2002	6/17/2002
Time of Day:	11-12 AM	1-2 PM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	PRE
Applic. Placement:	BROADCAST	BROADCAST
Air Temp., Unit:	78 F	70 F
% Relative Humidity:	84	50
Wind Velocity, Unit:	4 MPH	3 MPH
Dew Presence (Y/N):	N	N
Soil Moisture:	MOIST	MOIST
% Cloud Cover:	75	75

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	SPRAYER	SPRAYER
Operating Pressure:	30	30
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8002VS	8002VS
Nozzle Spacing, Unit:	15 IN	15 IN
Band Width, Unit:	15 FT	15 FT
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Spray Volume, Unit:	25 GPA	25 GPA

Trial Comments

Vegetables were planted across plots sprayed with Callisto in 2002. Tomatoes, cabbage, and peppers were not harvested at the Vegetable Crops Branch, which experienced excessive rainfall, resulting in very poor growth. Plant injury ratings are on the 0-100 scale, with 0= no injury, and 100= crop death, and include percent chlorosis, stunting, and aggregate injury. Yields were harvested from a ten foot plot. All mature crop within the ten feet were counted and weighed.

Abbreviations used in the plot data section include:

AV. MKTB. WT. = average marketable weight

MKTB. WT. = marketable weight

NO. PLANTS = number of plants within the plot.

TOTYD = total yield

TONS/A. = tons per acre

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SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					PHSVN	PHSVN	PHSVN	TRFRE
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit					%	%	%	%
Rating Date					6/17/2003	6/17/2003	6/17/2003	6/17/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	1	2	3	4
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	10	8	10	19
CALLISTO	12 OZ/A		PRE	A	15	10	14	21
CALLISTO	24 OZ/A		PRE	A	20	16	18	30
CALLISTO+	3 OZ/A		EPOST	B	13	0	9	28
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	18	16	13	35
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	36	20	19	58
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	0	0	11
LSD (P=.05)					21.3	20.4	10.9	19.2
Standard Deviation					14.5	13.9	7.4	13.1
CV					104.36	158.59	73.18	51.94

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SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

TRFRE	TRFRE	CUMSA	CUMSA
PLANT	PLANT	PLANT	PLANT
CHLOROSIS	STUNT	INJURY	CHLOROSIS
%	%	%	%
6/17/2003	6/17/2003	6/17/2003	6/17/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	5	6	7	8
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	45	20	13	0
CALLISTO	12 OZ/A		PRE	A	55	34	13	15
CALLISTO	24 OZ/A		PRE	A	35	33	13	21
CALLISTO+	3 OZ/A		EPOST	B	53	28	14	13
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	60	31	19	10
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	75	63	21	19
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	13	16	0	0
LSD (P=.05)					18.4	20.4	14.3	15.5
Standard Deviation					12.5	13.9	9.7	10.5
CV					29.88	49.6	85.37	108.69

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					CUMSA	PHSVN	PHSVN	PHSVN
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					STUNT	STAND	CHLOROSIS	STUNT
Rating Unit					%	%	%	%
Rating Date					6/17/2003	6/26/2003	6/26/2003	6/26/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	9	10	11	12
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	15	38	61	54
CALLISTO	12 OZ/A		PRE	A	18	63	73	63
CALLISTO	24 OZ/A		PRE	A	16	78	73	83
CALLISTO+	3 OZ/A		EPOST	B	15	13	56	41
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	19	31	59	51
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	26	66	69	61
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	36	55	48
LSD (P=.05)					14.1	33.5	19.6	26.4
Standard Deviation					9.6	22.8	13.3	17.9
CV					70.5	56.31	23.92	35.87

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					TRFRE	TRFRE	TRFRE	CUMSA
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					STAND	CHLOROSIS	STUNT	STAND
Rating Unit					%	%	%	%
Rating Date					6/26/2003	6/26/2003	6/26/2003	6/26/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	13	14	15	16
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	38	49	54	19
CALLISTO	12 OZ/A		PRE	A	79	80	89	13
CALLISTO	24 OZ/A		PRE	A	62	60	75	25
CALLISTO+	3 OZ/A		EPOST	B	34	44	64	3
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	61	68	74	10
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	90	83	86	15
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	24	38	46	21
LSD (P=.05)					36	27.2	23	24.3
Standard Deviation					24.5	18.5	15.6	16.5
CV					50.58	35.25	25.64	125.87

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CUMSA	CUMSA	CPSAN	CPSAN
PLANT	PLANT	PLANT	PLANT
CHLOROSIS	STUNT	STAND	CHLOROSIS
%	%	%	%
6/26/2003	6/26/2003	6/26/2003	6/26/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	17	18	19	20
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	26	34	0	0
CALLISTO	12 OZ/A		PRE	A	35	50	0	0
CALLISTO	24 OZ/A		PRE	A	41	56	0	0
CALLISTO+	3 OZ/A		EPOST	B	20	30	0	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	25	18	0	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	36	53	0	0
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	13	30	0	0
LSD (P=.05)					16.8	23.8	0	0
Standard Deviation					11.4	16.2	0	0
CV					46.47	47.87	0	0

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					CPSAN	LYPES	LYPES	LYPES
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					STUNT	STAND	CHLOROSIS	STUNT
Rating Unit					%	%	%	%
Rating Date					6/26/2003	6/26/2003	6/26/2003	6/26/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	21	22	23	24
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	0	0	0
CALLISTO	12 OZ/A		PRE	A	0	0	0	0
CALLISTO	24 OZ/A		PRE	A	0	0	0	0
CALLISTO+	3 OZ/A		EPOST	B	0	0	0	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0	0	0	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	0	0	0	0
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	0	0	0
LSD (P=.05)					0	0	0	0
Standard Deviation					0	0	0	0
CV					0	0	0	0

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SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

PHSVN

PHSVN

PHSVN

BRSOL

PLANT

PLANT

PLANT

PLANT

INJURY

CHLOROSIS

STUNT

INJURY

%

%

%

%

7/2/2003

7/2/2003

7/2/2003

7/2/2003

Treatment

Product

Product

Grow

Appl

Name

Rate

Rate Unit

Stg

Code

25

26

27

28

CONTROL

0

0

0

0

CALLISTO

6 OZ/A

PRE

A

74

71

75

16

CALLISTO

12 OZ/A

PRE

A

94

80

94

20

CALLISTO

24 OZ/A

PRE

A

97

90

97

15

CALLISTO+
COC

3 OZ/A

EPOST

B

48

54

48

13

32 OZ/A

EPOST

B

CALLISTO+
COC

6 OZ/A

EPOST

B

69

38

69

14

32 OZ/A

EPOST

B

CALLISTO+
COC

12 OZ/A

EPOST

B

91

81

91

13

32 OZ/A

EPOST

B

PEAK

0.5 OZ/A

EPOST

B

33

39

33

8

LSD (P=.05)

28.6

27.3

28.6

12

Standard Deviation

19.5

18.5

19.4

8.2

CV

30.88

32.77

30.74

66.92

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					BRSOL	BRSOL	TRFRE	TRFRE
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit					%	%	%	%
Rating Date					7/2/2003	7/2/2003	7/2/2003	7/2/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	29	30	31	32
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	16	31	29
CALLISTO	12 OZ/A		PRE	A	3	20	69	65
CALLISTO	24 OZ/A		PRE	A	5	15	68	65
CALLISTO+	3 OZ/A		EPOST	B	4	13	45	44
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	8	14	64	61
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	1	13	81	82
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	8	31	29
LSD (P=.05)					5.7	12	39.7	40.2
Standard Deviation					3.9	8.2	27	27.3
CV					154.3	66.92	55.56	58.29

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

TRFRE

CUMSA

CUMSA

CUMSA

PLANT

PLANT

PLANT

PLANT

STUNT

INJURY

CHLOROSIS

STUNT

%

%

%

%

7/2/2003

7/2/2003

7/2/2003

7/2/2003

Treatment

Product

Product

Grow

Appl

Name

Rate

Rate Unit

Stg

Code

33

34

35

36

CONTROL

0

18

0

0

CALLISTO

6 OZ/A

PRE

A

29

29

5

31

CALLISTO

12 OZ/A

PRE

A

68

60

38

66

CALLISTO

24 OZ/A

PRE

A

68

80

63

78

CALLISTO+
COC

3 OZ/A

EPOST

B

48

46

1

19

32 OZ/A

EPOST

B

CALLISTO+
COC

6 OZ/A

EPOST

B

64

30

6

30

32 OZ/A

EPOST

B

CALLISTO+
COC

12 OZ/A

EPOST

B

81

49

10

59

32 OZ/A

EPOST

B

PEAK

0.5 OZ/A

EPOST

B

31

39

8

34

LSD (P=.05)

39.1

42.2

23.8

33.2

Standard Deviation

26.6

28.7

16.2

22.6

CV

54.88

65.59

99.53

57.04

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CPSAN

CPSAN

CPSAN

LYPES

PLANT

PLANT

PLANT

PLANT

INJURY

CHLOROSIS

STUNT

INJURY

%

%

%

%

7/2/2003

7/2/2003

7/2/2003

7/2/2003

Treatment

Product

Product

Grow

Appl

Name

Rate

Rate Unit

Stg

Code

37

38

39

40

CONTROL

0

0

3

3

CALLISTO

6 OZ/A

PRE

A

5

0

5

4

CALLISTO

12 OZ/A

PRE

A

8

4

8

6

CALLISTO

24 OZ/A

PRE

A

8

8

8

10

CALLISTO+
COC

3 OZ/A

EPOST

B

6

1

6

5

32 OZ/A

EPOST

B

CALLISTO+
COC

6 OZ/A

EPOST

B

4

3

4

5

32 OZ/A

EPOST

B

CALLISTO+
COC

12 OZ/A

EPOST

B

9

5

9

10

32 OZ/A

EPOST

B

PEAK

0.5 OZ/A

EPOST

B

10

0

10

10

LSD (P=.05)

8

7.4

8.4

9.4

Standard Deviation

5.4

5

5.7

6.4

CV

88.91

201.19

88.75

97.12

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					LYPES	LYPES	PHSVN	PHSVN
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit					%	%	%	%
Rating Date					7/2/2003	7/2/2003	7/9/2003	7/9/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	41	42	43	44
CONTROL					0	3	0	0
CALLISTO	6 OZ/A		PRE	A	0	4	64	0
CALLISTO	12 OZ/A		PRE	A	0	6	88	0
CALLISTO	24 OZ/A		PRE	A	0	10	94	0
CALLISTO+	3 OZ/A		EPOST	B	0	5	43	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0	5	74	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	0	10	91	0
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	10	43	0
LSD (P=.05)					0	9.4	26.7	0
Standard Deviation					0	6.4	18.2	0
CV					0	97.12	29.39	0

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SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					PHSVN	BRSOL	BRSOL	BRSOL
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					STUNT	INJURY	CHLOROSIS	STUNT
Rating Unit					%	%	%	%
Rating Date					7/9/2003	7/9/2003	7/9/2003	7/9/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	45	46	47	48
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	64	3	0	3
CALLISTO	12 OZ/A		PRE	A	88	3	0	6
CALLISTO	24 OZ/A		PRE	A	94	8	0	10
CALLISTO+	3 OZ/A		EPOST	B	43	6	0	6
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	73	0	0	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	91	3	0	3
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	43	3	0	3
LSD (P=.05)					26.9	7.7	0	9
Standard Deviation					18.3	5.2	0	6.1
CV					29.63	175.9	0	163.3

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

TRFRE

PLANT

INJURY

%

7/9/2003

TRFRE

PLANT

CHLOROSIS

%

7/9/2003

TRFRE

PLANT

STUNT

%

7/9/2003

CUMSA

PLANT

INJURY

%

7/9/2003

Treatment

Product

Product

Grow

Appl

Name

Rate

Rate Unit

Stg

Code

49

50

51

52

CONTROL

0

5

20

0

CALLISTO

6 OZ/A

PRE

A

15

15

16

16

CALLISTO

12 OZ/A

PRE

A

33

26

43

36

CALLISTO

24 OZ/A

PRE

A

33

29

20

63

CALLISTO+
COC

3 OZ/A

EPOST

B

32 OZ/A

EPOST

B

34

20

29

14

CALLISTO+
COC

6 OZ/A

EPOST

B

32 OZ/A

EPOST

B

39

29

41

19

CALLISTO+
COC

12 OZ/A

EPOST

B

32 OZ/A

EPOST

B

73

39

48

35

PEAK

0.5 OZ/A

EPOST

B

18

16

28

10

LSD (P=.05)

26.4

31.8

38.9

28

Standard Deviation

18

21.6

26.4

19

CV

59.3

96.79

86.72

79.11

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CUMSA	CUMSA	CPSAN	CPSAN
PLANT	PLANT	PLANT	PLANT
CHLOROSIS	STUNT	INJURY	CHLOROSIS
%	%	%	%
7/9/2003	7/9/2003	7/9/2003	7/9/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	53	54	55	56
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	1	16	0	0
CALLISTO	12 OZ/A		PRE	A	5	36	3	0
CALLISTO	24 OZ/A		PRE	A	0	63	3	0
CALLISTO+	3 OZ/A		EPOST	B	0	14	0	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	1	19	0	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	4	35	4	1
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	10	0	0
LSD (P=.05)					4.3	28	4.4	1.3
Standard Deviation					2.9	19	3	0.9
CV					207.56	79.11	276.03	565.69

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					CPSAN	LYPES	LYPES	LYPES
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					STUNT	INJURY	CHLOROSIS	STUNT
Rating Unit					%	%	%	%
Rating Date					7/9/2003	7/9/2003	7/9/2003	7/9/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	57	58	59	60
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	0	0	0
CALLISTO	12 OZ/A		PRE	A	3	3	0	3
CALLISTO	24 OZ/A		PRE	A	3	0	0	0
CALLISTO+	3 OZ/A		EPOST	B	0	0	0	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0	0	0	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	4	1	1	1
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	0	0	0
LSD (P=.05)					4.4	3	1.3	3
Standard Deviation					3	2	0.9	2
CV					276.03	429.59	565.69	429.59

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					PHSVN	PHSVN	PHSVN	BRSOL
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit					%	%	%	%
Rating Date					7/16/2003	7/16/2003	7/16/2003	7/16/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	61	62	63	64
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	80	10	75	10
CALLISTO	12 OZ/A		PRE	A	88	45	87	14
CALLISTO	24 OZ/A		PRE	A	98	88	96	19
CALLISTO+	3 OZ/A		EPOST	B	40	5	36	11
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	88	46	84	15
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	95	73	93	15
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	43	1	43	10
LSD (P=.05)					27.8	31.2	28.5	9.5
Standard Deviation					18.9	21.2	19.4	6.5
CV					28.51	63.31	30.19	55.4

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					BRSOL	BRSOL	TRFRE	TRFRE
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit					%	%	%	%
Rating Date					7/16/2003	7/16/2003	7/16/2003	7/16/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	65	66	67	68
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	10	63	25
CALLISTO	12 OZ/A		PRE	A	0	14	93	68
CALLISTO	24 OZ/A		PRE	A	0	19	97	87
CALLISTO+	3 OZ/A		EPOST	B	0	11	63	11
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0	15	90	66
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	0	15	94	78
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	10	29	8
LSD (P=.05)					0	9.5	29	33.6
Standard Deviation					0	6.5	19.7	22.9
CV					0	55.4	29.93	53.35

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

TRFRE

CUMSA

CUMSA

CUMSA

PLANT

PLANT

PLANT

PLANT

STUNT

INJURY

CHLOROSIS

STUNT

%

%

%

%

7/16/2003

7/16/2003

7/16/2003

7/16/2003

Treatment

Product

Product

Grow

Appl

Name

Rate

Rate Unit

Stg

Code

69

70

71

72

CONTROL

0

0

0

0

CALLISTO

6 OZ/A

PRE

A

43

33

1

33

CALLISTO

12 OZ/A

PRE

A

73

50

4

48

CALLISTO

24 OZ/A

PRE

A

92

83

16

78

CALLISTO+
COC

3 OZ/A

EPOST

B

45

15

0

15

32 OZ/A

EPOST

B

CALLISTO+
COC

6 OZ/A

EPOST

B

73

21

3

20

32 OZ/A

EPOST

B

CALLISTO+
COC

12 OZ/A

EPOST

B

89

68

5

66

32 OZ/A

EPOST

B

PEAK

0.5 OZ/A

EPOST

B

25

15

1

14

LSD (P=.05)

35.9

22.6

7.1

22.2

Standard Deviation

24.4

15.3

4.8

15.1

CV

44.53

43.28

128.48

44.31

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					CPSAN	CPSAN	CPSAN	LYPES
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit					%	%	%	%
Rating Date					7/16/2003	7/16/2003	7/16/2003	7/16/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	73	74	75	76
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	8	0	8	9
CALLISTO	12 OZ/A		PRE	A	9	0	9	10
CALLISTO	24 OZ/A		PRE	A	18	0	18	24
CALLISTO+	3 OZ/A		EPOST	B	5	0	5	6
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	8	0	8	10
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	15	0	15	14
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	8	0	8	9
LSD (P=.05)					7.4	0	7.4	17.2
Standard Deviation					5	0	5	11.7
CV					58.4	0	58.4	114.91

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

LYPES	LYPES	PHSVN	PHSVN
PLANT	PLANT	PLANT	PLANT
CHLOROSIS	STUNT	INJURY	CHLOROSIS
%	%	%	%
7/16/2003	7/16/2003	7/16/2003	7/16/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	77	78	79	80
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	9	80	10
CALLISTO	12 OZ/A		PRE	A	0	10	88	45
CALLISTO	24 OZ/A		PRE	A	0	24	98	88
CALLISTO+	3 OZ/A		EPOST	B	0	6	40	5
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0	10	88	46
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	1	13	95	73
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	9	43	1
LSD (P=.05)					1.3	17	27.8	31.2
Standard Deviation					0.9	11.6	18.9	21.2
CV					565.69	115.86	28.51	63.31

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					PHSVN	BRSOL	BRSOL	BRSOL
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					STUNT	INJURY	CHLOROSIS	STUNT
Rating Unit					%	%	%	%
Rating Date					7/16/2003	7/16/2003	7/16/2003	7/16/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	81	82	83	84
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	75	10	0	10
CALLISTO	12 OZ/A		PRE	A	87	14	0	14
CALLISTO	24 OZ/A		PRE	A	96	19	0	19
CALLISTO+	3 OZ/A		EPOST	B	36	11	0	11
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	84	15	0	15
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	93	15	0	15
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	43	10	0	10
LSD (P=.05)					28.5	9.5	0	9.5
Standard Deviation					19.4	6.5	0	6.5
CV					30.19	55.4	0	55.4

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

TRFRE

PLANT

INJURY

%

7/16/2003

TRFRE

PLANT

CHLOROSIS

%

7/16/2003

TRFRE

PLANT

STUNT

%

7/16/2003

CUMSA

PLANT

INJURY

%

7/16/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	85	86	87	88
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	63	25	43	33
CALLISTO	12 OZ/A		PRE	A	93	68	73	50
CALLISTO	24 OZ/A		PRE	A	97	87	92	83
CALLISTO+	3 OZ/A		EPOST	B	63	11	45	15
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	90	66	73	21
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	94	78	89	68
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	29	8	25	15
LSD (P=.05)					29	33.6	35.9	22.6
Standard Deviation					19.7	22.9	24.4	15.3
CV					29.93	53.35	44.53	43.28

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					CUMSA	CUMSA	CPSAN	CPSAN
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit					%	%	%	%
Rating Date					7/16/2003	7/16/2003	7/16/2003	7/16/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	89	90	91	92
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	1	33	8	0
CALLISTO	12 OZ/A		PRE	A	4	48	9	0
CALLISTO	24 OZ/A		PRE	A	16	78	18	0
CALLISTO+	3 OZ/A		EPOST	B	0	15	5	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	3	20	8	0
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	5	66	15	0
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	1	14	8	0
LSD (P=.05)					7.1	22.2	7.4	0
Standard Deviation					4.8	15.1	5	0
CV					128.48	44.31	58.4	0

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					CPSAN	LYPES	LYPES	LYPES
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					STUNT	INJURY	CHLOROSIS	STUNT
Rating Unit					%	%	%	%
Rating Date					7/16/2003	7/16/2003	7/16/2003	7/16/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	93	94	95	96
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	8	9	0	9
CALLISTO	12 OZ/A		PRE	A	9	10	0	10
CALLISTO	24 OZ/A		PRE	A	18	24	0	24
CALLISTO+	3 OZ/A		EPOST	B	5	6	0	6
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	8	10	0	10
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	15	14	1	13
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	8	9	0	9
LSD (P=.05)					7.4	17.2	1.3	17
Standard Deviation					5	11.7	0.9	11.6
CV					58.4	114.91	565.69	115.86

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

Treatment	Product	Product	Grow	Appl	CUMSA	CUMSA	CUMSA	CUMSA
Name	Rate	Rate Unit	Stg	Code	PLANT	YIELD	YIELD	YIELD
					NO. PLANTS	MKTB. NO.	MKTB. WT.	MKTB. NO.
					PER PLOT	PER PLOT	KG./PLOT	PER PLOT
					7/25/2003	7/25/2003	7/25/2003	7/28/2003
					97	98	99	100
CONTROL					9	4	0	2
CALLISTO	6 OZ/A		PRE	A	8	3	1	1
CALLISTO	12 OZ/A		PRE	A	9	1	0	1
CALLISTO	24 OZ/A		PRE	A	7	0	0	0
CALLISTO+	3 OZ/A		EPOST	B	8	2	1	3
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	8	2	0	2
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	8	3	0	2
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	8	3	1	2
LSD (P=.05)					2.5	2.9	0.7	2.3
Standard Deviation					1.7	2	0.5	1.6
CV					21.55	89.28	176.17	106.52

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CUMSA

PHSVN

PHSVN

PHSVN

YIELD

PLANT

PLANT

PLANT

MKTB. WT

INJURY

CHLOROSIS

STUNT

KG./PLOT

%

%

%

7/28/2003

7/30/2003

7/30/2003

7/30/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	101	102	103	104
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	81	74	81
CALLISTO	12 OZ/A		PRE	A	0	96	93	96
CALLISTO	24 OZ/A		PRE	A	0	100	100	100
CALLISTO+	3 OZ/A		EPOST	B	0	71	34	70
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0	75	50	75
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	0	95	59	95
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	49	39	49
LSD (P=.05)					0.1	30.1	42.4	30.6
Standard Deviation					0	20.5	28.8	20.8
CV					90.78	28.88	51.49	29.37

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Part Rated

Rating Data Type

NameSD (P=.05T)

Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code
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CONTROL

CALLISTO	6 OZ/A		PRE	A
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CALLISTO	12 OZ/A		PRE	A
----------	---------	--	-----	---

CALLISTO	24 OZ/A		PRE	A
----------	---------	--	-----	---

CALLISTO+	3 OZ/A		EPOST	B
COC	32 OZ/A		EPOST	B

CALLISTO+	6 OZ/A		EPOST	B
COC	32 OZ/A		EPOST	B

CALLISTO+	12 OZ/A		EPOST	B
COC	32 OZ/A		EPOST	B

PEAK	0.5 OZ/A		EPOST	B
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CV

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SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					TRFRE PLANT CHLOROSIS %	TRFRE PLANT STUNT %	CUMSA PLANT INJURY %	CUMSA PLANT CHLOROSIS %
					7/30/2003	7/30/2003	7/30/2003	7/30/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	109	110	111	112
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	16	45	63	5
CALLISTO	12 OZ/A		PRE	A	74	91	49	8
CALLISTO	24 OZ/A		PRE	A	98	98	69	13
CALLISTO+ COC	3 OZ/A 32 OZ/A		EPOST EPOST	B B	6	83	20	3
CALLISTO+ COC	6 OZ/A 32 OZ/A		EPOST EPOST	B B	9	81	44	6
CALLISTO+ COC	12 OZ/A 32 OZ/A		EPOST EPOST	B B	51	95	68	5
PEAK	0.5 OZ/A		EPOST	B	23	30	36	5
LSD (P=.05)					42.2	32.4	28.9	10.6
Standard Deviation					28.7	22	19.7	7.2
CV					82.84	33.64	45.26	131.82

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code								
Crop Code					CUMSA	CPSAN	CPSAN	CPSAN
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					STUNT	INJURY	CHLOROSIS	STUNT
Rating Unit					%	%	%	%
Rating Date					7/30/2003	7/30/2003	7/30/2003	7/30/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	113	114	115	116
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	60	25	0	25
CALLISTO	12 OZ/A		PRE	A	49	26	0	26
CALLISTO	24 OZ/A		PRE	A	69	29	0	29
CALLISTO+	3 OZ/A		EPOST	B	20	14	0	14
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	44	21	0	21
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	68	26	0	26
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	36	19	0	19
LSD (P=.05)					29.2	12	0	12
Standard Deviation					19.9	8.2	0	8.2
CV					46.03	40.82	0	40.82

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

LYPES

PLANT

INJURY

%

7/30/2003

LYPES

PLANT

CHLOROSIS

%

7/30/2003

LYPES

PLANT

STUNT

%

7/30/2003

PHSVN

PLANT

NO.PLANTS

PER PLOT

7/30/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	117	118	119	120
CONTROL					0	0	0	36
CALLISTO	6 OZ/A		PRE	A	26	0	25	19
CALLISTO	12 OZ/A		PRE	A	30	0	30	5
CALLISTO	24 OZ/A		PRE	A	24	0	24	1
CALLISTO+	3 OZ/A		EPOST	B	16	0	16	32
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	20	0	20	11
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	29	0	29	8
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	25	0	25	24
LSD (P=.05)					14.2	0	14.3	20.7
Standard Deviation					9.7	0	9.7	14.1
CV					45.56	0	45.95	83.18

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					PHSVN	CUMSA	CUMSA	CUMSA
					YIELD	FRUIT	YIELD	FRUIT
					MKTB.WT.	MKTB.NO.	MKTB.WT.	MKTB. NO.
					KG./PLOT	PER PLOT	KG./PLOT	PER PLOT
					7/30/2003	8/1/2003	8/1/2003	8/4/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	121	122	123	124
CONTROL					0.8	5	0.3	3
CALLISTO	6 OZ/A		PRE	A	0	5	0.2	2
CALLISTO	12 OZ/A		PRE	A	0	2	0.1	2
CALLISTO	24 OZ/A		PRE	A	0	2	0.1	1
CALLISTO+	3 OZ/A		EPOST	B	0.1	4	0.1	2
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0	3	0.2	4
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	0	3	0.2	3
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0.7	4	0.2	3
LSD (P=.05)					0.59	3.3	0.19	2.7
Standard Deviation					0.4	2.2	0.13	1.9
CV					215.52	66.44	76.79	78.64

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CUMSA	CUMSA	CUMSA	PHSVN
YIELD	FRUIT	YIELD	YIELD
MKTB. WT.	MKTB. NO.	MKTB. WT.	MKTB. WT.
KG./PLOT	PER PLOT	KG./PLOT	KG./PLOT
8/4/2003	8/7/2003	8/7/2003	8/12/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	125	126	127	128
CONTROL					0.1	3	0.2	0.6
CALLISTO	6 OZ/A		PRE	A	0.1	3	0.1	0.1
CALLISTO	12 OZ/A		PRE	A	0.1	2	0.1	0
CALLISTO	24 OZ/A		PRE	A	0.1	4	0.2	0
CALLISTO+	3 OZ/A		EPOST	B	0.1	3	0.1	0.2
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0.2	3	0.1	0.2
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	0.1	3	0.1	0
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0.2	4	0.1	0.3
LSD (P=.05)					0.14	3.7	0.17	0.24
Standard Deviation					0.09	2.5	0.12	0.17
CV					89.39	83.15	84.42	104.02

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					CUMSA FRUIT	CUMSA YIELD	CUMSA YIELD	CUMSA YIELD
					MKTB. NO.	MKTB. WT.	MKTB. NO.	MKTB. WT.
					PER PLOT	KG./PLOT	PER PLOT	KG./PLOT
					8/12/2003	8/12/2003	8/18/2003	8/18/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	129	130	131	132
CONTROL					6	0.4	8	0.68
CALLISTO	6 OZ/A		PRE	A	5	0.2	2	0.11
CALLISTO	12 OZ/A		PRE	A	5	0.2	2	0.8
CALLISTO	24 OZ/A		PRE	A	3	0.1	2	0.05
CALLISTO+	3 OZ/A		EPOST	B	4	0.2	4	0.14
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	5	0.3	5	0.19
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	5	0.3	4	0.29
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	5	0.3	3	0.19
LSD (P=.05)					4	0.27	4.1	0.942
Standard Deviation					2.7	0.19	2.8	0.64
CV					59.43	68.79	76.2	210.2

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CUMSA	CUMSA	CUMSA	PHSVN
FRUIT	YIELD	TOTYLD	TOTYLD
MKTB. NO.	MKTB. WT.	MKTB. WT.	MKTB.WT.
PER PLOT	KG./PLOT	KG./PLOT	KG/PLOT
8/21/2003	8/21/2003	8/21/2003	8/21/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	133	134	135	136
CONTROL					6	0.3	1.9	1.3
CALLISTO	6 OZ/A		PRE	A	2	0.1	1.5	0.1
CALLISTO	12 OZ/A		PRE	A	5	0.2	0.9	0
CALLISTO	24 OZ/A		PRE	A	2	0.1	0.6	0
CALLISTO+	3 OZ/A		EPOST	B	3	0.1	1.5	0.3
COC	32 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	5	0.2	1.4	0.2
COC	32 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	3	0.1	1	0.1
COC	32 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	2	0.1	1.8	1
LSD (P=.05)					4.2	0.21	1.06	0.78
Standard Deviation					2.9	0.14	0.72	0.53
CV					81	87.91	53.8	146.11

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (FREMONT)

Trial ID: SENRCCALLFRE2003 Study Dir.: Dr. Douglas
J. Doohan and T.Koch

Location: Fremont, Ohio Investigator: Dr. Douglas J.
Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

CUMSA

PHSVN

TOTYLD

TOTYLD

MKTB. WT.

MKTB.WT.

TONS/A.

TONS/A.

8/21/2003

8/21/2003

Treatment	Product	Product	Grow	Appl		
Name	Rate	Rate Unit	Stg	Code	137	138
CONTROL					1.8	1.3
CALLISTO	6 OZ/A		PRE	A	1.5	0.1
CALLISTO	12 OZ/A		PRE	A	0.9	0
CALLISTO	24 OZ/A		PRE	A	0.6	0
CALLISTO+	3 OZ/A		EPOST	B	1.5	0.2
COC	32 OZ/A		EPOST	B		
CALLISTO+	6 OZ/A		EPOST	B	1.3	0.2
COC	32 OZ/A		EPOST	B		
CALLISTO+	12 OZ/A		EPOST	B	1	0
COC	32 OZ/A		EPOST	B		
PEAK	0.5 OZ/A		EPOST	B	1.7	0.9
LSD (P=.05)					1.02	0.75
Standard Deviation					0.69	0.51
CV					53.8	146.11

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr. Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr. Douglas J. Doohan

TRIAL LOCATION

City: Wooster	Trial Status: Final
State/Prov.: Ohio	Trial Reliability: Reliable
Postal Code: 44691	Initiation Date: 05/27/03
Country: USA	Planned Completion Date: 12/30/03

Objective: To evaluate possible carryover effects of "Callisto" herbicide applied PRE and EARLY POST in 2002, to vegetables planted in 2003.

CROP DESCRIPTION

Crop 1: TRFRE CLOVER Variety: MEDIUM RED
 Planting Date: 06/02/03 Planting Method: HAND-SEEDED
 Depth: 0.25 "
 Row Spacing: 3 FEET Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 2: PHSVN SNAP BEAN Variety: BRONCO
 Planting Date: 06/02/03 Planting Method: HAND-SEEDED
 Rate: 80 LB./A. Depth: 1 "
 Row Spacing: 3 FEET Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 3: CUMSA CUCUMBER Variety: VLASSETT
 Planting Date: 06/02/03 Planting Method: HAND-SEEDED
 Rate: 2 SEEDS/ 9" Depth: 0.50 "
 Row Spacing: 5 FEET Seed Bed: CONVENTIONAL
 Soil Moisture: MOIST

Crop 4: CPSAN PEPPER Variety: ARISTOTLE BELL
 Planting Date: 06/11/03 Planting Method: CONVENTIONAL
 Rate: 12 " IN ROW
 Row Spacing: 3 FEET Seed Bed: CONVENTIONAL

Crop 5: LYPES TOMATO Variety: PETO 696
 Planting Date: 06/11/03 Planting Method: CONVENTIONAL
 Rate: 12 " IN ROW
 Row Spacing: 5 FEET Seed Bed: CONVENTIONAL

Crop 6: BRSOL CABBAGE Variety: TRANSAM
 Planting Date: 06/11/03 Planting Method: CONVENTIONAL
 Rate: 10 " IN ROW
 Row Spacing: 3 FEET Seed Bed: CONVENTIONAL

SITE AND DESIGN

Plot Width, Unit: 15 FT Plot Length, Unit: 50 FT Reps: 4
 Site Type: LEVEL FIELD
 Tillage Type: CONVENTIONAL Study Design: RANDOMIZED COMPLETE BLOCK

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

SOIL DESCRIPTION

% Sand: 16	% OM: 3	Texture: SILT LOAM
% Silt: 72	pH: 6.8	Soil Name: WOOSTER SILT LOAM
% Clay: 12	CEC: 14	Fert. Level: MODERATE

APPLICATION DESCRIPTION

	A	B
Application Date:	5/22/2002	6/10/2002
Time of Day:	10-11 AM	11-12 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	EPOST
Applic. Placement:	BROADCAST	BROADCAST
Air Temp., Unit:	60 F	81 F
% Relative Humidity:	64	76
Wind Velocity, Unit:	3 MPH	2 MPH
Soil Moisture:	MOIST	MOIST
% Cloud Cover:	50	30

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 PLOT	CO2 PLOT
Operating Pressure:	35	35
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8002VS	8002VS
Nozzle Spacing, Unit:	12 IN	12 IN
Nozzles/Row:	10	10
Band Width, Unit:	10 FT	10 FT
Boom Height, Unit:	18	18
Ground Speed, Unit:	3.5 MPH	3.5 MPH

Trial Comments

Vegetables were planted across plots sprayed with Callisto in 2002. Plant injury ratings are on the 0-100 scale, with 0= no injury, and 100= crop death, and include percent chlorosis, stunting, and aggregate injury. Yields were harvested from a ten foot plot. All mature crop within the ten feet were counted and weighed.

Abbreviations used in the plot data section include:

AV. MKTB. WT. = average marketable weight

MKTB. WT. = marketable weight

NO. PLANTS = number of plants within the plot.

TOTYD = total yield

TONS/A. = tons per acre

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

PHSVN

PHSVN

PHSVN

BRSOL

PLANT

PLANT

PLANT

PLANT

INJURY

CHLOROSIS

STUNT

INJURY

%

%

%

%

6/18/2003

6/18/2003

6/18/2003

6/18/2003

Treatment

Product

Product

Grow

Appl

Name

Rate

Rate Unit

Stg

Code

1

2

3

4

CONTROL

5

0

5

0

CALLISTO

6 OZ/A

PRE

A

5

0

5

0

CALLISTO

12 OZ/A

PRE

A

24

0

24

0

CALLISTO

24 OZ/A

PRE

A

11

0

11

0

CALLISTO+

3 OZ/A

EPOST

B

8

0

8

0

COC

25.6 OZ/A

EPOST

B

CALLISTO+

6 OZ/A

EPOST

B

3

0

3

0

COC

25.6 OZ/A

EPOST

B

CALLISTO+

12 OZ/A

EPOST

B

4

0

4

0

COC

25.6 OZ/A

EPOST

B

PEAK

0.5 OZ/A

EPOST

B

14

0

14

0

LSD (P=.05)

20.9

0

20.9

0

Standard Deviation

14.2

0

14.2

0

CV

156.8

0

156.8

0

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

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Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					BRSOL PLANT CHLOROSIS %	BRSOL PLANT STUNT %	TRFRE PLANT INJURY %	TRFRE PLANT CHLOROSIS %
					6/18/2003	6/18/2003	6/18/2003	6/18/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	5	6	7	8
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	0	0	0
CALLISTO	12 OZ/A		PRE	A	0	0	4	4
CALLISTO	24 OZ/A		PRE	A	0	0	13	13
CALLISTO+ COC	3 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	0	1	1
CALLISTO+ COC	6 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	0	8	8
CALLISTO+ COC	12 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	0	63	70
PEAK	0.5 OZ/A		EPOST	B	0	0	0	0
LSD (P=.05)					0	0	11.7	9.2
Standard Deviation					0	0	7.9	6.2
CV					0	0	72.54	52.58

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SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code	TRFRE	CUMSA	CUMSA	CUMSA
Part Rated	PLANT	PLANT	PLANT	PLANT
Rating Data Type	STUNT	INJURY	CHLOROSIS	STUNT
Rating Unit	%	%	%	%
Rating Date	6/18/2003	6/18/2003	6/18/2003	6/18/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	9	10	11	12
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	3	0	3
CALLISTO	12 OZ/A		PRE	A	4	19	0	19
CALLISTO	24 OZ/A		PRE	A	13	6	1	6
CALLISTO+	3 OZ/A		EPOST	B	1	3	1	3
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	8	1	0	1
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	63	0	0	0
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	10	1	10
LSD (P=.05)					11.7	13.8	2.2	13.8
Standard Deviation					7.9	9.4	1.5	9.4
CV					72.54	181.61	321.37	181.61

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code		CPSAN	CPSAN	CPSAN	LYPES
Part Rated		PLANT	PLANT	PLANT	PLANT
Rating Data Type		INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit		%	%	%	%
Rating Date		6/18/2003	6/18/2003	6/18/2003	6/18/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	13	14	15	16
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	0	0	0
CALLISTO	12 OZ/A		PRE	A	0	0	0	0
CALLISTO	24 OZ/A		PRE	A	0	0	0	0
CALLISTO+	3 OZ/A		EPOST	B	0	0	0	0
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0	0	0	0
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	0	0	0	0
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	0	0	0
LSD (P=.05)					0	0	0	0
Standard Deviation					0	0	0	0
CV					0	0	0	0

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					LYPES PLANT CHLOROSIS %	LYPES PLANT STUNT %	PHSVN PLANT STAND %	PHSVN PLANT CHLOROSIS %
					6/18/2003	6/18/2003	6/27/2003	6/27/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	17	18	19	20
CONTROL					0	0	4	3
CALLISTO	6 OZ/A		PRE	A	0	0	0	3
CALLISTO	12 OZ/A		PRE	A	0	0	8	5
CALLISTO	24 OZ/A		PRE	A	0	0	15	11
CALLISTO+ COC	3 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	0	3	1
CALLISTO+ COC	6 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	0	0	9
CALLISTO+ COC	12 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	0	1	30
PEAK	0.5 OZ/A		EPOST	B	0	0	10	6
LSD (P=.05)					0	0	18.7	9.7
Standard Deviation					0	0	12.7	6.6
CV					0	0	254.95	77.99

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Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code								
Crop Code					PHSVN	BRSOL	BRSOL	BRSOL
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					STUNT	STAND	CHLOROSIS	STUNT
Rating Unit					%	%	%	%
Rating Date					6/27/2003	6/27/2003	6/27/2003	6/27/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	21	22	23	24
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	3	0	0	3
CALLISTO	12 OZ/A		PRE	A	5	0	0	1
CALLISTO	24 OZ/A		PRE	A	6	0	0	0
CALLISTO+	3 OZ/A		EPOST	B	1	0	0	3
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	10	0	0	1
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	20	0	0	3
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	8	0	0	1
LSD (P=.05)					10.6	0	0	4.4
Standard Deviation					7.2	0	0	3
CV					110.13	0	0	214.69

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code	TRFRE	TRFRE	TRFRE	CUMSA
Part Rated	PLANT	PLANT	PLANT	PLANT
Rating Data Type	STAND	CHLOROSIS	STUNT	STAND
Rating Unit	%	%	%	%
Rating Date	6/27/2003	6/27/2003	6/27/2003	6/27/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	25	26	27	28
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	9	5	11	0
CALLISTO	12 OZ/A		PRE	A	3	8	8	6
CALLISTO	24 OZ/A		PRE	A	8	18	14	0
CALLISTO+	3 OZ/A		EPOST	B	3	9	13	0
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	18	19	18	5
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	35	33	50	0
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	4	8	0
LSD (P=.05)					13	6.6	15.6	7.7
Standard Deviation					8.8	4.5	10.6	5.3
CV					95.72	38.28	70.71	373.36

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					CUMSA	CUMSA	CPSAN	CPSAN
					PLANT	PLANT	PLANT	PLANT
					CHLOROSIS	STUNT	STAND	CHLOROSIS
					%	%	%	%
					6/27/2003	6/27/2003	6/27/2003	6/27/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	29	30	31	32
CONTROL					0	0	0	1
CALLISTO	6 OZ/A		PRE	A	0	4	0	5
CALLISTO	12 OZ/A		PRE	A	1	6	0	0
CALLISTO	24 OZ/A		PRE	A	1	4	0	3
CALLISTO+	3 OZ/A		EPOST	B	1	11	0	1
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	1	5	0	3
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	5	16	6	8
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	1	3	1
LSD (P=.05)					4.6	9.2	7.1	7.6
Standard Deviation					3.1	6.3	4.8	5.2
CV					250.71	105.36	442.28	194.44

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code	CPSAN	LYPES	LYPES	LYPES
Part Rated	PLANT	PLANT	PLANT	PLANT
Rating Data Type	STUNT	STAND	CHLOROSIS	STUNT
Rating Unit	%	%	%	%
Rating Date	6/27/2003	6/27/2003	6/27/2003	6/27/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	33	34	35	36
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	3	0	0	0
CALLISTO	12 OZ/A		PRE	A	0	0	0	0
CALLISTO	24 OZ/A		PRE	A	5	6	0	1
CALLISTO+	3 OZ/A		EPOST	B	1	0	0	3
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0	0	0	4
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	11	0	0	1
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	5	0	0
LSD (P=.05)					11.7	7.7	0	3.4
Standard Deviation					7.9	5.3	0	2.3
CV					317.73	373.36	0	209.4

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SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
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Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

					PHSVN	PHSVN	PHSVN	BRSOL
Crop Code					PLANT	PLANT	PLANT	PLANT
Part Rated					INJURY	CHLOROSIS	STUNT	INJURY
Rating Data Type					%	%	%	%
Rating Unit								
Rating Date					7/2/2003	7/2/2003	7/2/2003	7/2/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	37	38	39	40
CONTROL					0	0	0	3
CALLISTO	6 OZ/A		PRE	A	0	0	0	4
CALLISTO	12 OZ/A		PRE	A	21	1	21	3
CALLISTO	24 OZ/A		PRE	A	11	8	11	3
CALLISTO+	3 OZ/A		EPOST	B	6	1	6	4
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	16	5	16	10
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	33	31	33	6
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	1	0	1	4
LSD (P=.05)					15	13.4	15	9.1
Standard Deviation					10.2	9.1	10.2	6.2
CV					91.82	157.8	91.82	141.63

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
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Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code								
Crop Code					BRSOL	BRSOL	TRFRE	TRFRE
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					CHLOROSIS	STUNT	INJURY	CHLOROSIS
Rating Unit					%	%	%	%
Rating Date					7/2/2003	7/2/2003	7/2/2003	7/2/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	41	42	43	44
CONTROL					0	3	6	0
CALLISTO	6 OZ/A		PRE	A	0	4	1	0
CALLISTO	12 OZ/A		PRE	A	0	3	5	1
CALLISTO	24 OZ/A		PRE	A	0	3	4	5
CALLISTO+	3 OZ/A		EPOST	B	0	4	1	3
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0	10	8	9
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	0	6	13	23
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	4	4	1
LSD (P=.05)					0	9.1	11.9	6.9
Standard Deviation					0	6.2	8.1	4.7
CV					0	141.63	157.15	90.78

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Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code	TRFRE	CUMSA	CUMSA	CUMSA
Part Rated	PLANT	PLANT	PLANT	PLANT
Rating Data Type	STUNT	INJURY	CHLOROSIS	STUNT
Rating Unit	%	%	%	%
Rating Date	7/2/2003	7/2/2003	7/2/2003	7/2/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	45	46	47	48
CONTROL					6	4	0	4
CALLISTO	6 OZ/A		PRE	A	1	3	0	3
CALLISTO	12 OZ/A		PRE	A	5	8	0	10
CALLISTO	24 OZ/A		PRE	A	4	3	1	3
CALLISTO+	3 OZ/A		EPOST	B	1	5	0	5
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	8	9	0	9
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	13	9	0	9
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	4	3	0	3
LSD (P=.05)					11.9	9.8	1.3	11.5
Standard Deviation					8.1	6.7	0.9	7.8
CV					157.15	129.42	565.69	143.39

The Ohio State University

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Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code								
Crop Code					CPSAN	CPSAN	CPSAN	LYPES
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit					%	%	%	%
Rating Date					7/2/2003	7/2/2003	7/2/2003	7/2/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	49	50	51	52
CONTROL					1	0	1	0
CALLISTO	6 OZ/A		PRE	A	0	0	0	0
CALLISTO	12 OZ/A		PRE	A	3	0	3	4
CALLISTO	24 OZ/A		PRE	A	4	0	4	4
CALLISTO+	3 OZ/A		EPOST	B	1	0	1	1
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	5	0	5	3
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	13	0	13	4
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	3	0	3	0
LSD (P=.05)					6.1	0	6.1	4.3
Standard Deviation					4.1	0	4.1	2.9
CV					115.24	0	115.24	156.69

The Ohio State University

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Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					LYPES PLANT CHLOROSIS %	LYPES PLANT STUNT %	PHSVN PLANT INJURY %	PHSVN PLANT CHLOROSIS %
					7/2/2003	7/2/2003	7/9/2003	7/9/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	53	54	55	56
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	0	0	0
CALLISTO	12 OZ/A		PRE	A	0	4	13	3
CALLISTO	24 OZ/A		PRE	A	0	4	34	3
CALLISTO+ COC	3 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	1	16	1
CALLISTO+ COC	6 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	3	11	3
CALLISTO+ COC	12 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	4	43	16
PEAK	0.5 OZ/A		EPOST	B	0	0	6	0
LSD (P=.05)					0	4.3	23.2	12
Standard Deviation					0	2.9	15.8	8.1
CV					0	156.69	103.17	260.11

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code	PHSVN	BRSOL	BRSOL	BRSOL
Part Rated	PLANT	PLANT	PLANT	PLANT
Rating Data Type	STUNT	INJURY	CHLOROSIS	STUNT
Rating Unit	%	%	%	%
Rating Date	7/9/2003	7/9/2003	7/9/2003	7/9/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	57	58	59	60
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	0	0	0
CALLISTO	12 OZ/A		PRE	A	14	1	0	1
CALLISTO	24 OZ/A		PRE	A	33	19	1	16
CALLISTO+	3 OZ/A		EPOST	B	14	5	0	5
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	11	4	0	4
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	46	11	0	13
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	6	3	0	3
LSD (P=.05)					22.5	14.8	1.3	13.3
Standard Deviation					15.3	10	0.9	9
CV					98.79	188.93	565.69	175.33

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

					TRFRE	TRFRE	TRFRE	CUMSA
Crop Code					PLANT	PLANT	PLANT	PLANT
Part Rated					INJURY	CHLOROSIS	STUNT	INJURY
Rating Data Type					%	%	%	%
Rating Unit								
Rating Date					7/9/2003	7/9/2003	7/9/2003	7/9/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	61	62	63	64
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	0	0	0
CALLISTO	12 OZ/A		PRE	A	1	0	1	5
CALLISTO	24 OZ/A		PRE	A	4	4	4	5
CALLISTO+	3 OZ/A		EPOST	B	5	0	5	5
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	4	1	4	1
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	11	6	11	9
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	3	0	3	4
LSD (P=.05)					4.8	3.5	4.8	5.6
Standard Deviation					3.3	2.4	3.3	3.8
CV					94.56	167.42	94.56	105.86

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					CUMSA	CUMSA	CPSAN	CPSAN
					PLANT	PLANT	PLANT	PLANT
					CHLOROSIS	STUNT	INJURY	CHLOROSIS
					%	%	%	%
					7/9/2003	7/9/2003	7/9/2003	7/9/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	65	66	67	68
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	0	0	0
CALLISTO	12 OZ/A		PRE	A	0	5	0	0
CALLISTO	24 OZ/A		PRE	A	0	5	1	0
CALLISTO+	3 OZ/A		EPOST	B	0	5	3	0
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0	1	0	0
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	0	10	9	0
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0	4	1	0
LSD (P=.05)					0	5.8	2.9	0
Standard Deviation					0	4	1.9	0
CV					0	105.91	112.78	0

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code	CPSAN	LYPES	LYPES	LYPES
Part Rated	PLANT	PLANT	PLANT	PLANT
Rating Data Type	STUNT	INJURY	CHLOROSIS	STUNT
Rating Unit	%	%	%	%
Rating Date	7/9/2003	7/9/2003	7/9/2003	7/9/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	69	70	71	72
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	0	0	0
CALLISTO	12 OZ/A		PRE	A	0	0	0	0
CALLISTO	24 OZ/A		PRE	A	1	0	0	0
CALLISTO+	3 OZ/A		EPOST	B	3	1	0	1
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	0	0	0	0
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	9	4	0	4
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	1	0	0	0
LSD (P=.05)					2.9	2.9	0	2.9
Standard Deviation					1.9	2	0	2
CV					112.78	314.72	0	314.72

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code								
Crop Code					PHSVN	PHSVN	PHSVN	BRSOL
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit					%	%	%	%
Rating Date					7/23/2003	7/23/2003	7/23/2003	7/23/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	73	74	75	76
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	18	6	15	15
CALLISTO	12 OZ/A		PRE	A	28	6	29	11
CALLISTO	24 OZ/A		PRE	A	74	5	75	25
CALLISTO+	3 OZ/A		EPOST	B	20	3	18	10
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	28	3	29	9
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	64	1	63	13
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	26	5	24	9
LSD (P=.05)					20	7	19.9	10.3
Standard Deviation					13.6	4.8	13.5	7
CV					42.46	132.88	43.03	61.55

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					BRSOL PLANT CHLOROSIS %	BRSOL PLANT STUNT %	TRFRE PLANT INJURY %	TRFRE PLANT CHLOROSIS %
					7/23/2003	7/23/2003	7/23/2003	7/23/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	77	78	79	80
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	0	15	10	0
CALLISTO	12 OZ/A		PRE	A	0	11	20	0
CALLISTO	24 OZ/A		PRE	A	0	25	31	0
CALLISTO+ COC	3 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	10	16	0
CALLISTO+ COC	6 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	9	16	0
CALLISTO+ COC	12 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	13	43	0
PEAK	0.5 OZ/A		EPOST	B	0	9	15	0
LSD (P=.05)					0	10.3	23.4	0
Standard Deviation					0	7	15.9	0
CV					0	61.55	84.01	0

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

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Douglas J. Doohan

Weed Code

Crop Code	TRFRE	CUMSA	CUMSA	CUMSA
Part Rated	PLANT	PLANT	PLANT	PLANT
Rating Data Type	STUNT	INJURY	CHLOROSIS	STUNT
Rating Unit	%	%	%	%
Rating Date	7/23/2003	7/23/2003	7/23/2003	7/23/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	81	82	83	84
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	10	19	0	19
CALLISTO	12 OZ/A		PRE	A	20	19	0	19
CALLISTO	24 OZ/A		PRE	A	31	38	0	38
CALLISTO+	3 OZ/A		EPOST	B	16	10	0	10
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	16	14	0	14
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	43	14	0	14
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	15	28	0	28
LSD (P=.05)					23.4	17.7	0	17.7
Standard Deviation					15.9	12	0	12
CV					84.01	68.79	0	68.79

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SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code								
Crop Code					CPSAN	CPSAN	CPSAN	LYPES
Part Rated					PLANT	PLANT	PLANT	PLANT
Rating Data Type					INJURY	CHLOROSIS	STUNT	INJURY
Rating Unit					%	%	%	%
Rating Date					7/23/2003	7/23/2003	7/23/2003	7/23/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	85	86	87	88
CONTROL					0	0	0	0
CALLISTO	6 OZ/A		PRE	A	8	0	8	5
CALLISTO	12 OZ/A		PRE	A	11	0	11	10
CALLISTO	24 OZ/A		PRE	A	14	0	14	14
CALLISTO+	3 OZ/A		EPOST	B	9	0	9	5
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	10	0	8	9
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	15	0	15	11
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	8	0	8	4
LSD (P=.05)					6.5	0	6.8	6.2
Standard Deviation					4.4	0	4.6	4.2
CV					47.57	0	51.84	58.55

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

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Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					LYPES PLANT CHLOROSIS %	LYPES PLANT STUNT %	PHSVN YIELD NO.PLANTS PER PLOT	PHSVN YIELD MKTB.WT. PER PLOT
					7/23/2003	7/23/2003	7/29/2003	7/29/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	89	90	91	92
CONTROL					0	0	21	0.9
CALLISTO	6 OZ/A		PRE	A	0	5	24	0.7
CALLISTO	12 OZ/A		PRE	A	0	10	22	0.8
CALLISTO	24 OZ/A		PRE	A	0	14	13	0.5
CALLISTO+ COC	3 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	5	22	0.8
CALLISTO+ COC	6 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	9	26	1.2
CALLISTO+ COC	12 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0	11	24	0.4
PEAK	0.5 OZ/A		EPOST	B	0	4	16	0.6
LSD (P=.05)					0	6.2	10	0.57
Standard Deviation					0	4.2	6.8	0.39
CV					0	58.55	32.57	53.48

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SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

Treatment	Product	Product	Grow	Appl	PHSVN	PHSVN	PHSVN	PHSVN
Name	Rate	Rate Unit	Stg	Code	YIELD	YIELD	YIELD	YIELD
					MKTB.WT.	MKTB.WT.	MKTB.WT.	MKTB.WT.
					PER PLOT	PER PLOT	PER PLOT	PER PLOT
					8/4/2003	8/8/2003	8/15/2003	8/21/2003
CONTROL					93	94	95	96
					2.8	0.8	1.8	0.6
CALLISTO	6 OZ/A		PRE	A	1.9	0.9	1.5	0.5
CALLISTO	12 OZ/A		PRE	A	2.3	10.2	1.5	0.6
CALLISTO	24 OZ/A		PRE	A	1.2	32.9	0.5	0.1
CALLISTO+	3 OZ/A		EPOST	B	2.5	1	1.8	0.6
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	2.9	1.1	1.6	0.3
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	1.8	0.6	1.3	0.6
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	1.8	1	1.7	0.5
LSD (P=.05)					1.3	33.96	1.15	0.51
Standard Deviation					0.89	23.09	0.78	0.34
CV					41.24	380.52	52.78	70.53

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

					CUMSA YIELD	CUMSA FRUIT	CUMSA YIELD	CUMSA FRUIT
					NO.PLANTS	MKTB. NO.	MKTB.WT.	MKTB.NO.
					PER PLOT	PER PLOT	LB./PLOT	PER PLOT
					7/23/2003	7/23/2003	7/23/2003	7/29/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	97	98	99	100
CONTROL					14	25	3.5	23
CALLISTO	6 OZ/A		PRE	A	13	21	3.1	22
CALLISTO	12 OZ/A		PRE	A	13	26	3.7	28
CALLISTO	24 OZ/A		PRE	A	13	22	3.5	20
CALLISTO+	3 OZ/A		EPOST	B	15	28	4.1	30
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	14	27	4	35
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	14	26	3.8	30
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	12	22	3.2	27
LSD (P=.05)					4.6	14.9	2.33	17.9
Standard Deviation					3.1	10.2	1.58	12.2
CV					22.87	41.21	44.07	45.38

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

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Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

Treatment	Product	Product	Grow	Appl	CUMSA	CUMSA	CUMSA	CUMSA
Name	Rate	Rate Unit	Stg	Code	YIELD	FRUIT	YIELD	YIELD
					MKTB.WT.	MKTB.NO.	MKTB. WT.	MKTB.NO.
					LB./PLOT	PER PLOT	LB./PLOT	PER PLOT
					7/29/2003	8/4/2003	8/4/2003	8/8/2003
CONTROL					101	102	103	104
					3.4	26	5.7	26
CALLISTO	6 OZ/A		PRE	A	3.2	27	6.9	21
CALLISTO	12 OZ/A		PRE	A	3.4	24	5.4	17
CALLISTO	24 OZ/A		PRE	A	3.2	20	4.2	19
CALLISTO+	3 OZ/A		EPOST	B	4.1	28	6.3	19
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	5.9	34	7.6	26
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	4.4	27	6.4	17
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	3.4	30	6.9	18
LSD (P=.05)					2.39	10.8	2.85	12.4
Standard Deviation					1.63	7.3	1.94	8.4
CV					42.02	27.19	31.45	41.93

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

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Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

Treatment	Product	Product	Grow	Appl	CUMSA	CUMSA	CUMSA	CUMSA
Name	Rate	Rate Unit	Stg	Code	YIELD	FRUIT	YIELD	FRUIT
					MKTB. WT.	MKTB.NO.	MKTB. WT.	MKTB.NO.
					LB./PLOT	PER PLOT	LB./PLOT	PER PLOT
					8/8/2003	8/15/2003	8/15/2003	8/21/2003
CONTROL					4	17	4.8	17
CALLISTO	6 OZ/A		PRE	A	3.3	15	4.2	10
CALLISTO	12 OZ/A		PRE	A	3.4	15	4.2	12
CALLISTO	24 OZ/A		PRE	A	3.2	17	4.1	10
CALLISTO+	3 OZ/A		EPOST	B	3.5	19	4.7	17
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	3.7	16	4.9	16
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	3	13	3.7	12
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	3.1	15	3.9	13
LSD (P=.05)					2.3	11.5	3.23	10.2
Standard Deviation					1.56	7.8	2.2	7
CV					45.96	49.37	51.12	52.89

The Ohio State University

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Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

Treatment	Product	Product	Grow	Appl	CUMSA	CPSAN	CPSAN	CPSAN
Name	Rate	Rate Unit	Stg	Code	YIELD	YIELD	YIELD	YIELD
					MKTB. WT.	NO.PLANTS	MKTB. NO.	MKTB. WT.
					LB./PLOT	PER PLOT	PER PLOT	LB./PLOT
					8/21/2003	8/10/2003	8/10/2003	8/10/2003
CONTROL					109	110	111	112
					3.2	5	4	1.3
CALLISTO	6 OZ/A		PRE	A	1.9	6	4	1.5
CALLISTO	12 OZ/A		PRE	A	2.1	5	5	1.7
CALLISTO	24 OZ/A		PRE	A	2	6	4	1
CALLISTO+	3 OZ/A		EPOST	B	3.3	4	3	1.1
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	2.7	5	5	1.8
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	2.5	5	2	0.8
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	2.6	4	4	1.7
LSD (P=.05)					2.12	1.3	2.6	0.99
Standard Deviation					1.44	0.9	1.7	0.67
CV					56.42	17.04	49.05	49.04

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

Treatment	Product	Product	Grow	Appl	CPSAN	CPSAN	CPSAN	CPSAN
Name	Rate	Rate Unit	Stg	Code	YIELD	YIELD	YIELD	YIELD
					MKTB. NO.	MKTB. WT.	MKTB. NO.	MKTB. WT.
					PER PLOT	LB./PLOT	PER PLOT	LB./PLOT
					8/21/2003	8/21/2003	8/29/2003	8/29/2003
CONTROL					113	114	115	116
					4	1.8	3	1
CALLISTO	6 OZ/A		PRE	A	4	1.3	3	0.9
CALLISTO	12 OZ/A		PRE	A	4	1.8	5	2
CALLISTO	24 OZ/A		PRE	A	4	1.5	4	1.3
CALLISTO+	3 OZ/A		EPOST	B	4	1.3	3	1.1
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	5	1.8	3	1
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	4	1.4	3	1
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	3	1	2	0.5
LSD (P=.05)					4.4	1.66	4	1.28
Standard Deviation					3	1.13	2.7	0.87
CV					76.96	76.91	85.14	80.21

The Ohio State University

SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code		CPSAN	CPSAN	LYPES	LYPES
Part Rated		YIELD	YIELD	YIELD	YIELD
Rating Data Type		MKTB. NO.	MKTB. WT.	NO.PLANTS	MKTB. RED
Rating Unit		PER PLOT	LB./PLOT	PER PLOT	PER PLOT
Rating Date		9/11/2003	9/11/2003	9/11/2003	9/11/2003

Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	117	118	119	120
CONTROL					4	1	6	371
CALLISTO	6 OZ/A		PRE	A	4	1.4	5	286
CALLISTO	12 OZ/A		PRE	A	5	1.5	6	361
CALLISTO	24 OZ/A		PRE	A	5	1.4	5	296
CALLISTO+	3 OZ/A		EPOST	B	2	0.6	6	339
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	2	0.5	6	434
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	3	1.2	6	319
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	4	1.2	4	282
LSD (P=.05)					5.3	1.75	1.2	125
Standard Deviation					3.6	1.19	0.8	85
CV					104.78	109.35	15.31	25.31

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SENSITIVITY OF ROTATIONAL CROPS TO CALLISTO - (WOOSTER)

Trial ID: SENRCCALLWOOS2003 Study Dir.: Dr.
Douglas J. Doohan and T.Koch

Location: Wooster, Ohio Investigator: Dr.
Douglas J. Doohan

Weed Code

Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

Treatment	Product	Product	Grow	Appl	LYPES	LYPES	LYPES	BRSOL
Name	Rate	Rate Unit	Stg	Code	YIELD	YIELD	YIELD	YIELD
					MKT. RED WT	MKT. GRN.	MKT.GRN. WT	NO.PLANTS
					LB./PLOT	PER PLOT	LB./PLOT	PER PLOT
					9/11/2003	9/11/2003	9/11/2003	8/29/2003
CONTROL					59.9	447	45	5
CALLISTO	6 OZ/A		PRE	A	47	329	35	6
CALLISTO	12 OZ/A		PRE	A	64.5	417	43	6
CALLISTO	24 OZ/A		PRE	A	46.3	381	36	4
CALLISTO+	3 OZ/A		EPOST	B	50	403	38	5
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	68.3	400	36	5
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	53	422	42	6
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	46.9	351	35	6
LSD (P=.05)					21.14	239.3	23.9	1
Standard Deviation					14.37	162.7	16.3	0.7
CV					26.38	41.33	42.15	13.3

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Rating Data Type

Rating Unit

Rating Date

BRSOL

BRSOL

PHSVN

YIELD

YIELD

YIELD

MKTBLE WT. AV.MKT.WT. TOTAL MKTB.

LB./PLOT

LB./PLOT

LB./PLOT

8/29/2003

8/29/2003

8/29/2003

Treatment	Product	Product	Grow	Appl			
Name	Rate	Rate Unit	Stg	Code	125	126	127
CONTROL					22	4.2	1.2
CALLISTO	6 OZ/A		PRE	A	23.6	4.2	0.9
CALLISTO	12 OZ/A		PRE	A	22.5	4.1	2.6
CALLISTO	24 OZ/A		PRE	A	18.8	4.8	5.9
CALLISTO+	3 OZ/A		EPOST	B	20.4	4.2	1.1
COC	25.6 OZ/A		EPOST	B			
CALLISTO+	6 OZ/A		EPOST	B	25.7	5.1	1.2
COC	25.6 OZ/A		EPOST	B			
CALLISTO+	12 OZ/A		EPOST	B	28.7	4.9	0.8
COC	25.6 OZ/A		EPOST	B			
PEAK	0.5 OZ/A		EPOST	B	23.2	4.2	0.9
LSD (P=.05)					10.52	1.87	5.68
Standard Deviation					7.15	1.27	3.86
CV					30.95	28.56	212.29

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Crop Code

Part Rated

Rating Data Type

Rating Unit

Rating Date

Treatment	Product	Product	Grow	Appl	CUMSA	CPSAN	LYPES	BRSOL
Name	Rate	Rate Unit	Stg	Code	YIELD	YIELD	YIELD	TOTYLD
					TOTAL MKTB.	TOTAL MKTB.	GREEN WT.	MKTB. WT.
					LB./PLOT	PER PLOT	LB./PLOT	TONS/A.
					8/29/2003	8/29/2003	8/29/2003	8/29/2003
CONTROL					4.1	0.8	17.5	16
CALLISTO	6 OZ/A		PRE	A	3.8	0.9	13.7	17.1
CALLISTO	12 OZ/A		PRE	A	3.7	1.2	17.9	16.3
CALLISTO	24 OZ/A		PRE	A	3.3	0.9	13.6	13.6
CALLISTO+	3 OZ/A		EPOST	B	4.3	0.7	14.6	14.8
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	4.8	0.8	17.5	18.6
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	3.9	0.7	15.8	20.8
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	3.9	0.7	13.6	16.9
LSD (P=.05)					2.04	0.66	5	7.63
Standard Deviation					1.39	0.45	3.4	5.19
CV					34.92	53.44	21.91	30.95

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Douglas J. Doohan

Weed Code								
Crop Code					PHSVN	PHSVN	CUMSA	CUMSA
Part Rated					TOTYLD	TOTYLD	TOTYLD	TOTYLD
Rating Data Type					MKTB. WT.	MKTB. WT.	MKTB. WT.	MKTB. WT.
Rating Unit					LB./PLOT	TONS/A.	LB./PLOT	TONS/A.
Rating Date					8/29/2003	8/29/2003	8/29/2003	8/29/2003
Treatment	Product	Product	Grow	Appl				
Name	Rate	Rate Unit	Stg	Code	132	133	134	135
CONTROL					1.2	0.8	4.1	1.8
CALLISTO	6 OZ/A		PRE	A	0.9	0.7	3.8	1.6
CALLISTO	12 OZ/A		PRE	A	2.6	1.9	3.7	1.6
CALLISTO	24 OZ/A		PRE	A	5.9	4.3	3.3	1.5
CALLISTO+	3 OZ/A		EPOST	B	1.1	0.8	4.3	1.9
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	6 OZ/A		EPOST	B	1.2	0.9	4.8	2.1
COC	25.6 OZ/A		EPOST	B				
CALLISTO+	12 OZ/A		EPOST	B	0.8	0.6	3.9	1.7
COC	25.6 OZ/A		EPOST	B				
PEAK	0.5 OZ/A		EPOST	B	0.9	0.7	3.9	1.7
LSD (P=.05)					5.68	4.12	2.04	0.89
Standard Deviation					3.86	2.8	1.39	0.61
CV					212.29	212.29	34.92	34.92

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Rating Unit

Rating Date

					CPSAN TOTYLD MKTB. WT. LB./PLOT 8/29/2003	CPSAN TOTYLD MKTB. WT. TONS/A. 8/29/2003	LYPES TOTYLD MKTB.RED WT TONS/A. 8/29/2003	LYPES TOTYLD GREEN WT. TONS/A. 8/29/2003
Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	136	137	139	141
CONTROL					0.8	0.6	26.1	7.6
CALLISTO	6 OZ/A		PRE	A	0.9	0.6	20.5	6
CALLISTO	12 OZ/A		PRE	A	1.2	0.8	28.1	7.8
CALLISTO	24 OZ/A		PRE	A	0.9	0.6	20.2	5.9
CALLISTO+ COC	3 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0.7	0.5	21.8	6.4
CALLISTO+ COC	6 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0.8	0.6	29.8	7.6
CALLISTO+ COC	12 OZ/A 25.6 OZ/A		EPOST EPOST	B B	0.7	0.5	23.1	6.9
PEAK	0.5 OZ/A		EPOST	B	0.7	0.5	20.4	5.9
LSD (P=.05)					0.66	0.48	9.21	2.18
Standard Deviation					0.45	0.32	6.26	1.48
CV					53.44	53.44	26.38	21.91